Service Manual

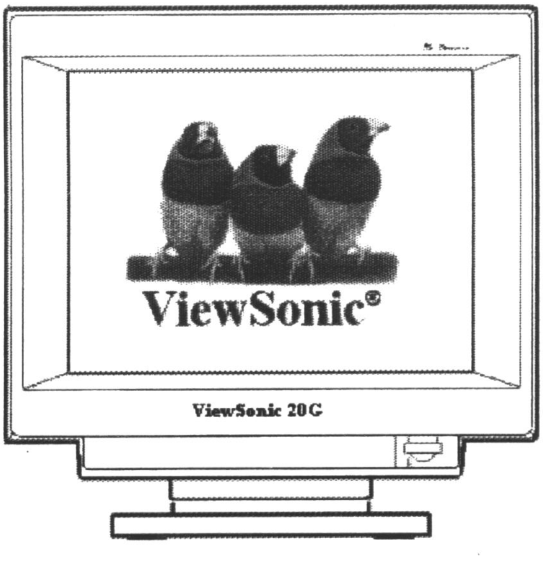
ViewSonic 20G

Model No. 2082G-1

ViewSonic 20G-2

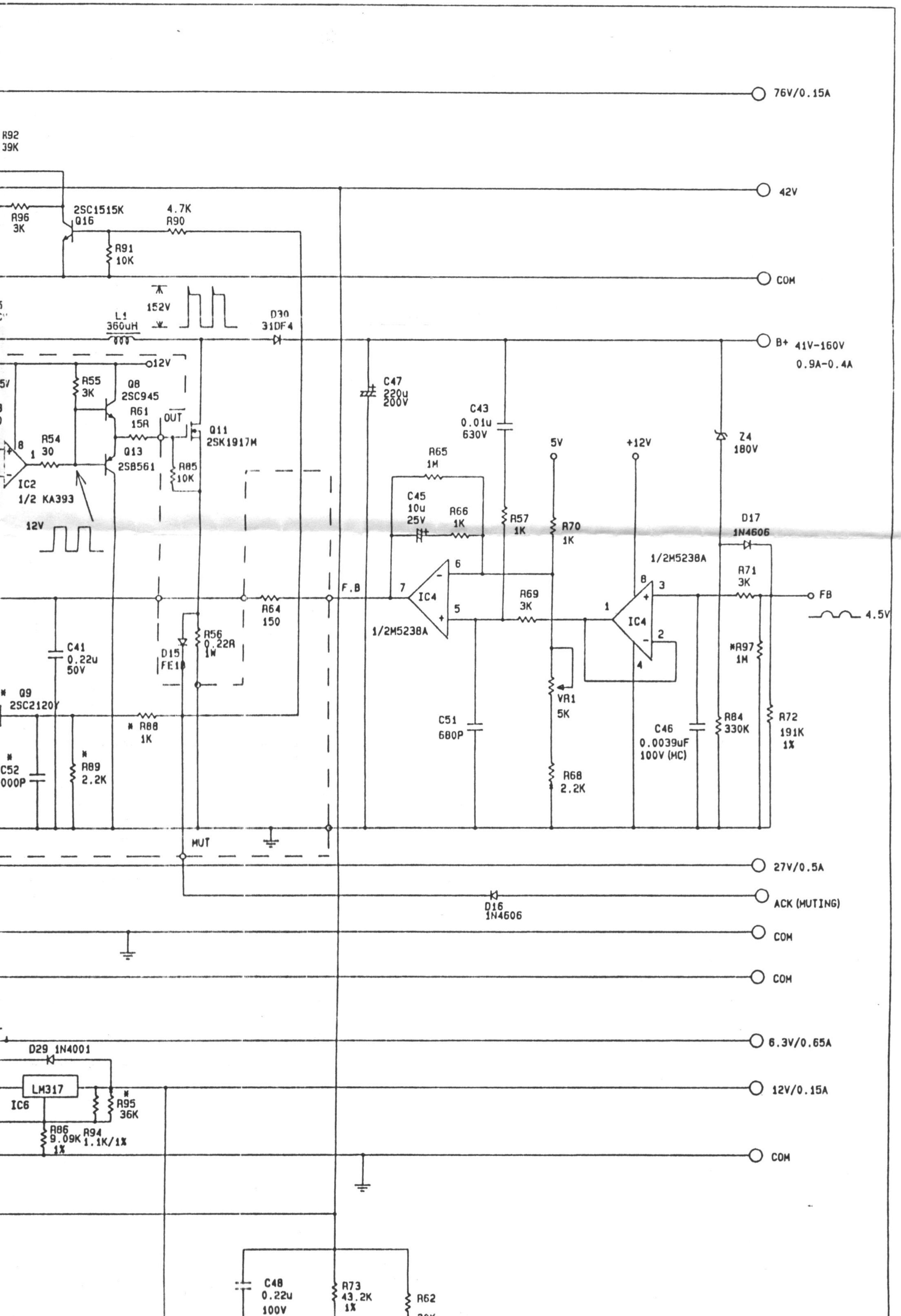
Model No. 2082G-2

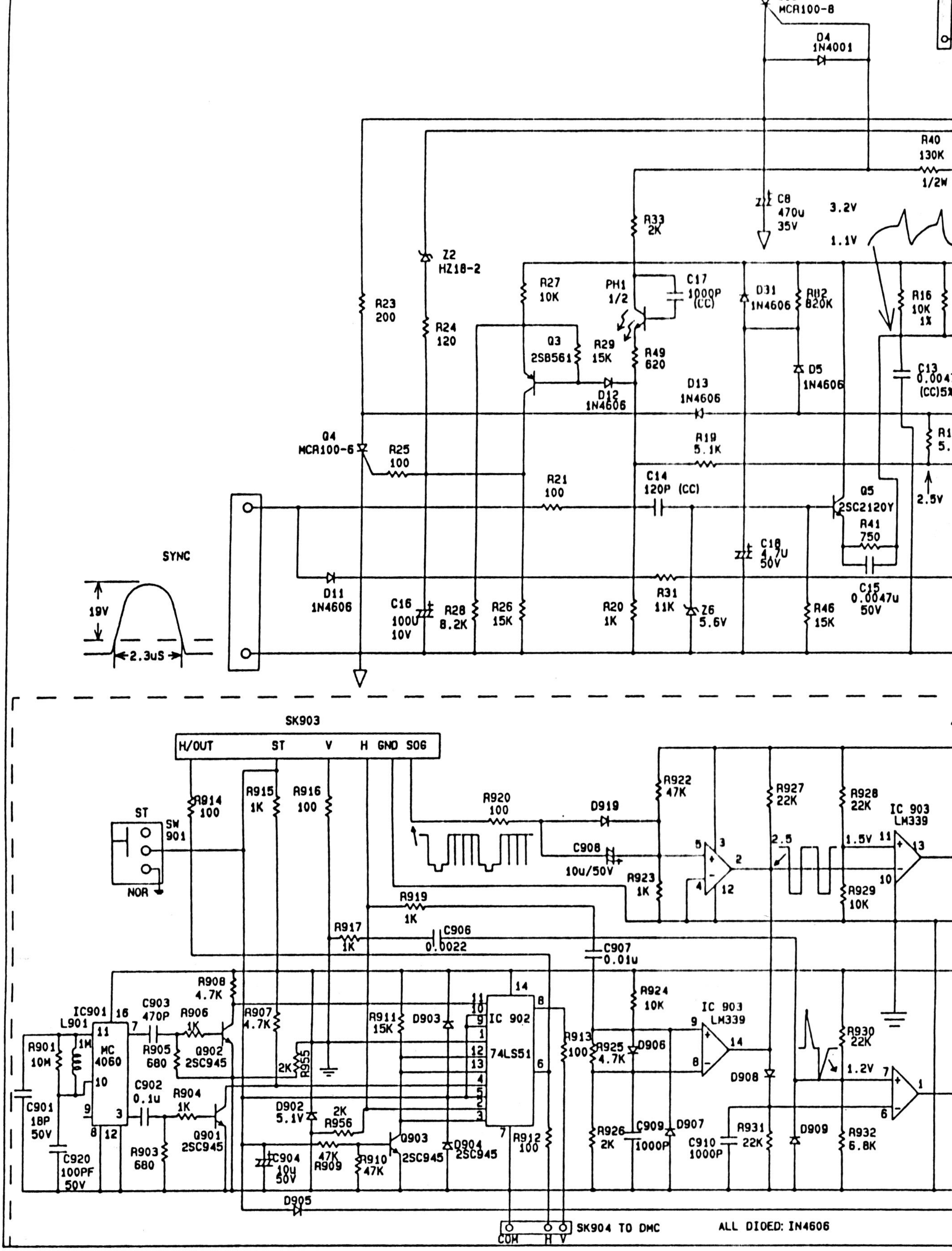
20" Digital Controlled Color Monitor
Graphics Series

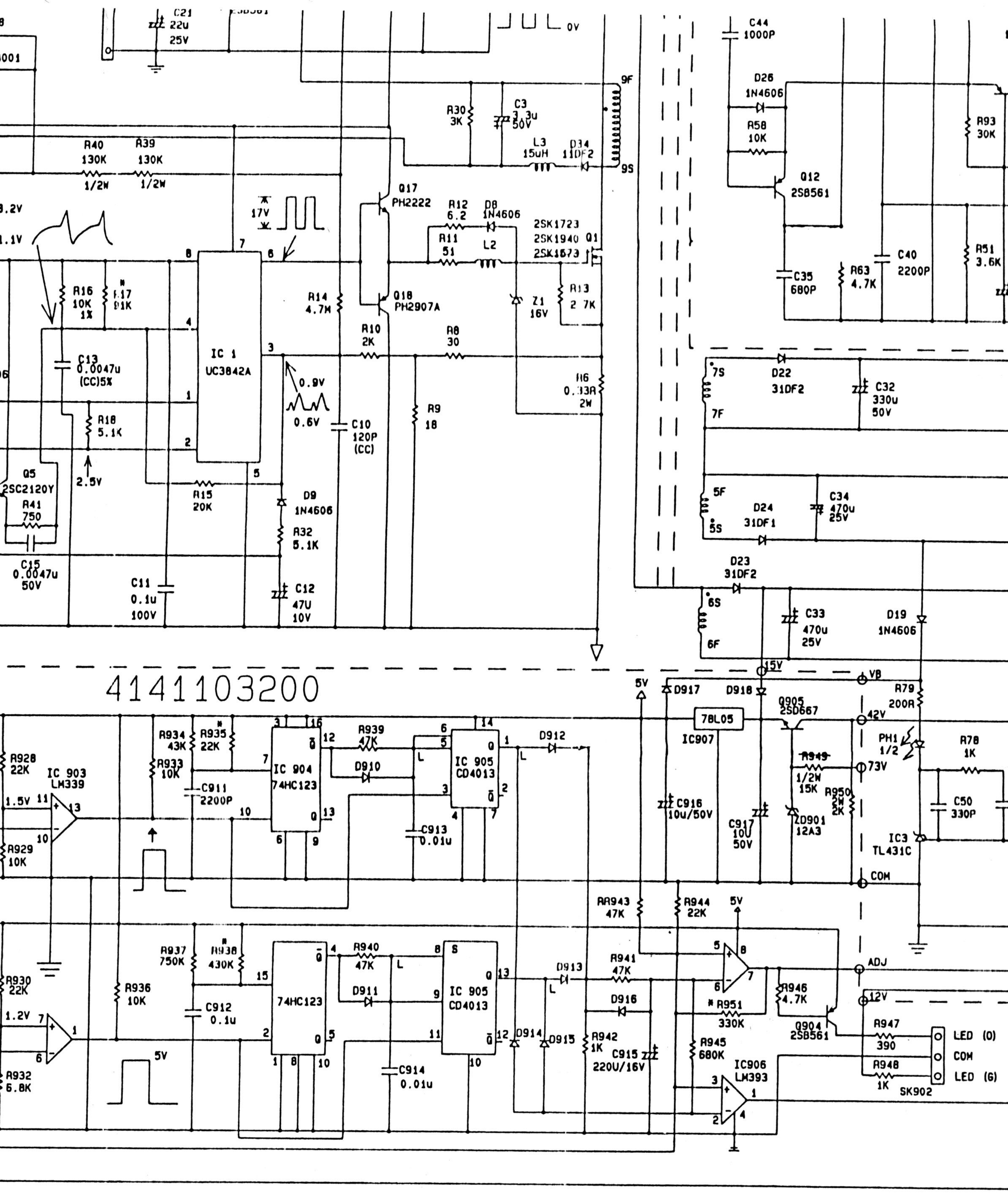

ViewSonic®
ViewSonic 20G

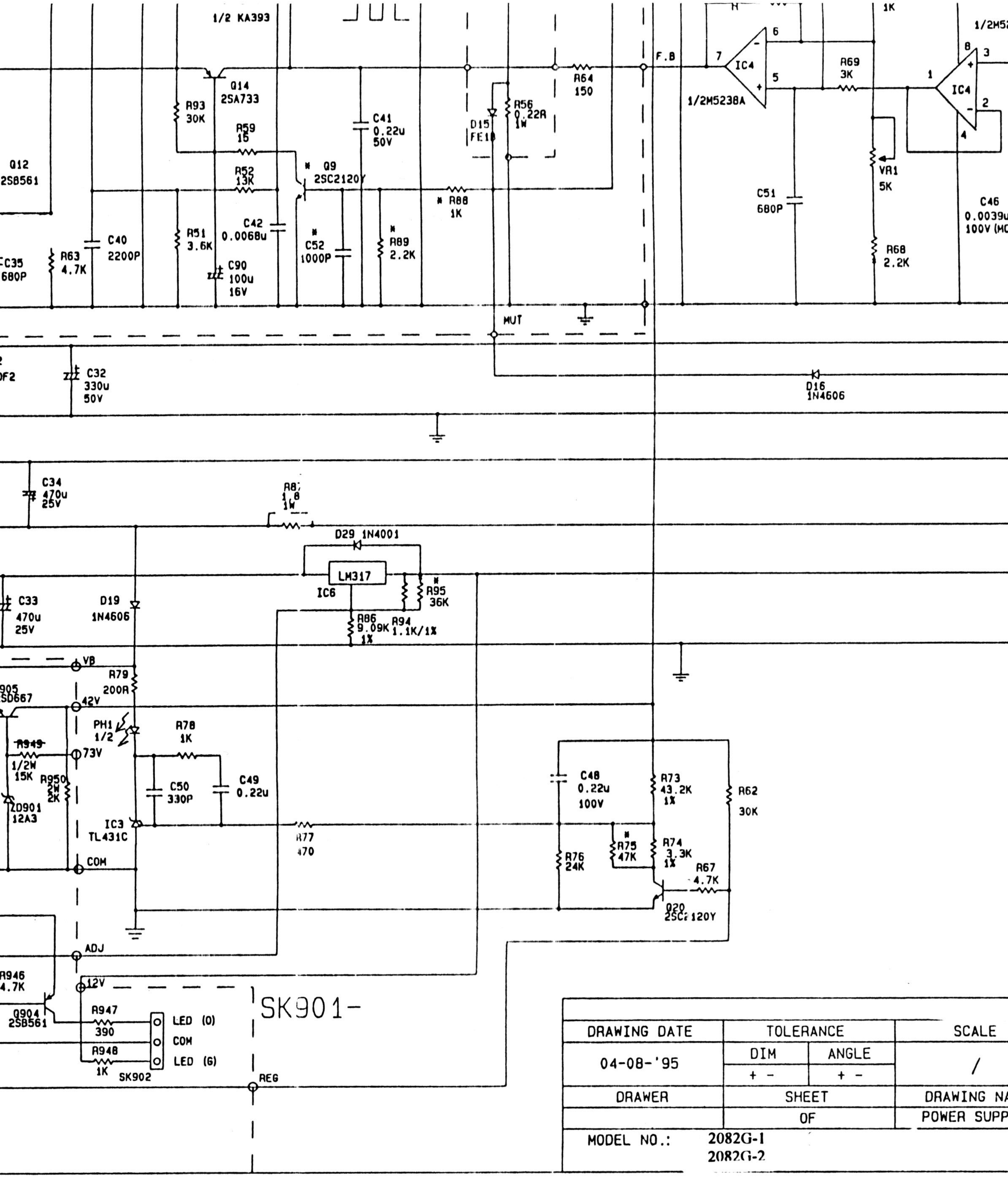
(Rev. 1 - July 1996)

ViewSonic® 20480 E. Business Parkway, Walnut, California 91789 USA - (800) 888-8583


76V/0.15A
R92
39K
42V
R96
3K
2SC1515K
Q16
4.7K
R90
R91
10K
COM
152V
L1
360uH
D30
31DF4
B+ 41V-160V
0.9A-0.4A
12V
R55
3K
Q8
2SC945
R61
15R
OUT
Q11
2SK1917M
R54
30
8
1
IC2
1/2 KA393
Q13
2SB561
R85
10K
12V
C47
220u
200V
C43
0.01u
630V
5V
+12V
Z4
180V
R65
1M
C45
10u
25V
R66
1K
R57
1K
R70
1K
D17
1N4606
1/2M5238A
F.B
7
6
IC4
5
1/2M5238A
R69
3K
8
3
1
IC4
2
4
R71
3K
FB
4.5V
*R97
1M
R64
150
C41
0.22u
50V
D15
FE1B
R56
0.22R
1W
* Q9
2SC2120Y
* R88
1K
*
C52
000P
*
R89
2.2K
C51
680P
VR1
5K
R68
2.2K
C46
0.0039uF
100V (MC)
R84
330K
R72
191K
1%
MUT
27V/0.5A
ACK (MUTING)
D16
1N4606
COM
COM
6.3V/0.65A
D29 1N4001
LM317
IC6
*
R95
36K
12V/0.15A
R86
9.09K
1%
R94
1.1K/1%
COM
C48
0.22u
100V
R73
43.2K
1%
R62

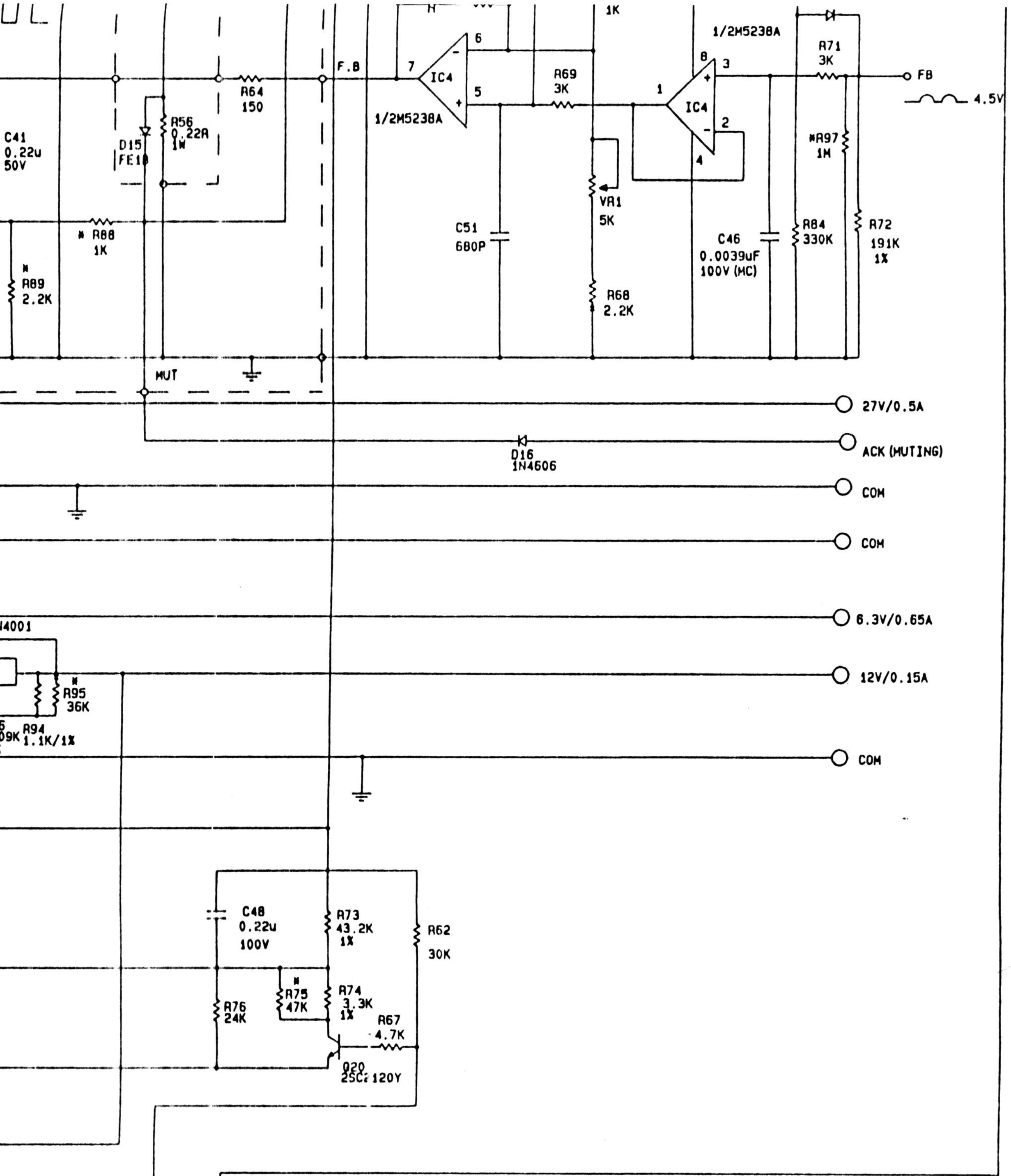

MCR100-8
D4
1N4001
R40
130K
1/2W
C8
470u
35V
3.2V
1.1V
R33
2K
Z2
HZ18-2
R27
10K
PH1
1/2
C17
1000P
(CC)
D31
1N4606
R112
820K
R16
10K
1%
C13
0.0047
(CC)5%
R23
200
R24
120
Q3
2SB561
R29
15K
R49
620
D5
1N4606
D12
1N4606
D13
1N4606
Q4
MCR100-6
R25
100
R19
5.1K
2.5V
R21
100
C14
120P (CC)
Q5
2SC2120Y
R41
750
SYNC
C18
4.7U
50V
C15
0.0047u
50V
19V
2.3uS
D11
1N4606
C16
100U
10V
R28
8.2K
R26
15K
R20
1K
R31
11K
Z6
5.6V
R46
15K
SK903
H/OUT
ST
V
H
GND
SOG
ST
SW
901
NOR
R914
100
R915
1K
R916
100
R920
100
D919
C908
10u/50V
R922
47K
R923
1K
R927
22K
2.5
R928
22K
IC 903
LM339
1.5V
R929
10K
R919
1K
R917
1K
C906
0.0022
C907
0.01u
R908
4.7K
IC901
L901
MC
4060
C903
470P
R906
1K
Q902
2SC945
R905
680
R907
4.7K
R911
15K
D903
IC 902
74LS51
R913
100
R925
4.7K
R924
10K
D906
IC 903
LM339
D908
R930
22K
1.2V
R901
10M
1M
C901
18P
50V
C920
100PF
50V
C902
0.1u
R904
1K
R903
680
Q901
2SC945
R955
2K
D902
5.1V
R956
2K
C904
10u
50V
R909
47K
R910
47K
Q903
2SC945
D904
2SC945
R912
100
R926
2K
C909
1000P
D907
C910
1000P
R931
22K
D909
R932
6.8K
D905
COM
H
V
SK904 TO DMC
ALL DIODED: IN4606


4141103200
C21
22u
25V
0V
9F
9S
R30
3K
C3
3.3u
50V
L3
15uH
D34
11DF2
R40
130K
1/2W
R39
130K
1/2W
8.2V
1.1V
17V
Q17
PH2222
R12
6.2
D8
1N4606
2SK1723
2SK1940
2SK1573
Q1
R11
51
L2
R16
10K
1%
R17
91K
IC 1
UC3842A
R14
4.7M
Q18
PH2907A
Z1
16V
R13
2.7K
C13
0.0047u
(CC)5%
R10
2K
R8
30
R6
0.33R
2W
0.9V
0.6V
R9
18
C10
120P
(CC)
R18
5.1K
2.5V
Q5
2SC2120Y
R41
750
R15
20K
D9
1N4606
R32
5.1K
C15
0.0047u
50V
C11
0.1u
100V
C12
47U
10V
C44
1000P
D26
1N4606
R58
10K
Q12
2SB561
R93
30K
R51
3.6K
C35
680P
R63
4.7K
C40
2200P
7S
D22
31DF2
C32
330u
50V
7F
5F
5S
D24
31DF1
C34
470u
25V
D23
31DF2
6S
6F
C33
470u
25V
D19
1N4606
15V
VB
5V
D917
D918
R79
200R
78L05
Q905
2SD667
42V
IC907
PH1
1/2
R78
1K
R949
1/2W
15K
73V
R950
2W
2K
C916
10u/50V
C917
10U
50V
ZD901
12A3
C50
330P
IC3
TL431C
COM
R928
22K
IC 903
LM339
1.5V
R929
10K
R934
43K
R935
22K
R933
10K
C911
2200P
IC 904
74HC123
R939
47K
D910
IC 905
CD4013
D912
C913
0.01u
R930
22K
1.2V
R932
6.8K
R936
10K
R937
750K
R938
430K
C912
0.1u
5V
74HC123
R940
47K
D911
IC 905
CD4013
C914
0.01u
D913
D914
D915
R941
47K
D916
R942
1K
C915
220U/16V
RR943
47K
R944
22K
5V
R945
680K
R951
330K
R946
4.7K
ADJ
12V
Q904
2SB561
R947
390
R948
1K
LED (0)
COM
LED (G)
SK902
IC906
LM393


1/2 KA393
Q14
2SA733
R93
30K
R59
15
Q12
2SB561
R52
13K
Q9
2SC2120Y
C41
0.22u
50V
D15
FE1
R56
0.22R
1W
R64
150
F.B
IC4
1/2M5238A
R69
3K
1/2M5
VR1
5K
C51
680P
C46
0.0039u
100V
R68
2.2K
R88
1K
R51
3.6K
C42
0.0068u
C52
1000P
R89
2.2K
C40
2200P
R63
4.7K
C35
680P
C90
100u
16V
MUT
C32
330u
50V
D16
1N4606
C34
470u
25V
R87
1.8
1W
D29 1N4001
LM317
IC6
R95
36K
R86
9.09K
1%
R94
1.1K/1%
C33
470u
25V
D19
1N4606
VB
R79
200R
42V
PH1
1/2
R78
1K
~~R949~~
1/2W
15K
73V
R950
2W
2K
ZD901
12A3
C50
330P
C49
0.22u
IC3
TL431C
R77
470
COM
C48
0.22u
100V
R73
43.2K
1%
R62
30K
R76
24K
R75
47K
R74
3.3K
1%
R67
4.7K
Q20
2SC2120Y
ADJ
R946
4.7K
12V
Q904
2SB561
R947
390
R948
1K
LED (O)
COM
LED (G)
SK902
SK901-
REG
905
2SD667

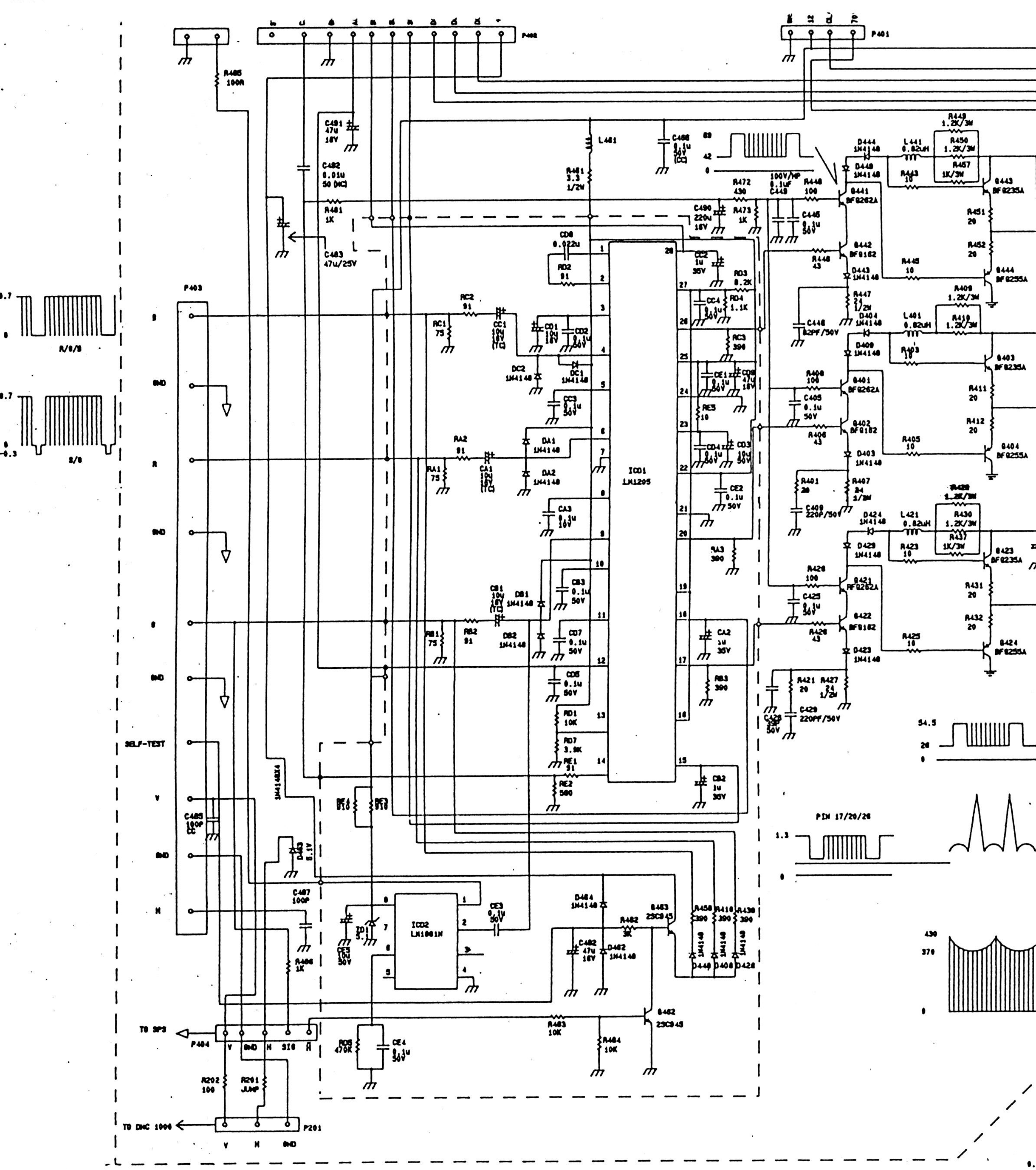
DRAWING DATE	TOLERANCE		SCALE
04-08-'95	DIM	ANGLE	/
	+ -	+ -	
DRAWER	SHEET		DRAWING NA
	OF		POWER SUPP

MODEL NO.: 2082G-1
2082G-2

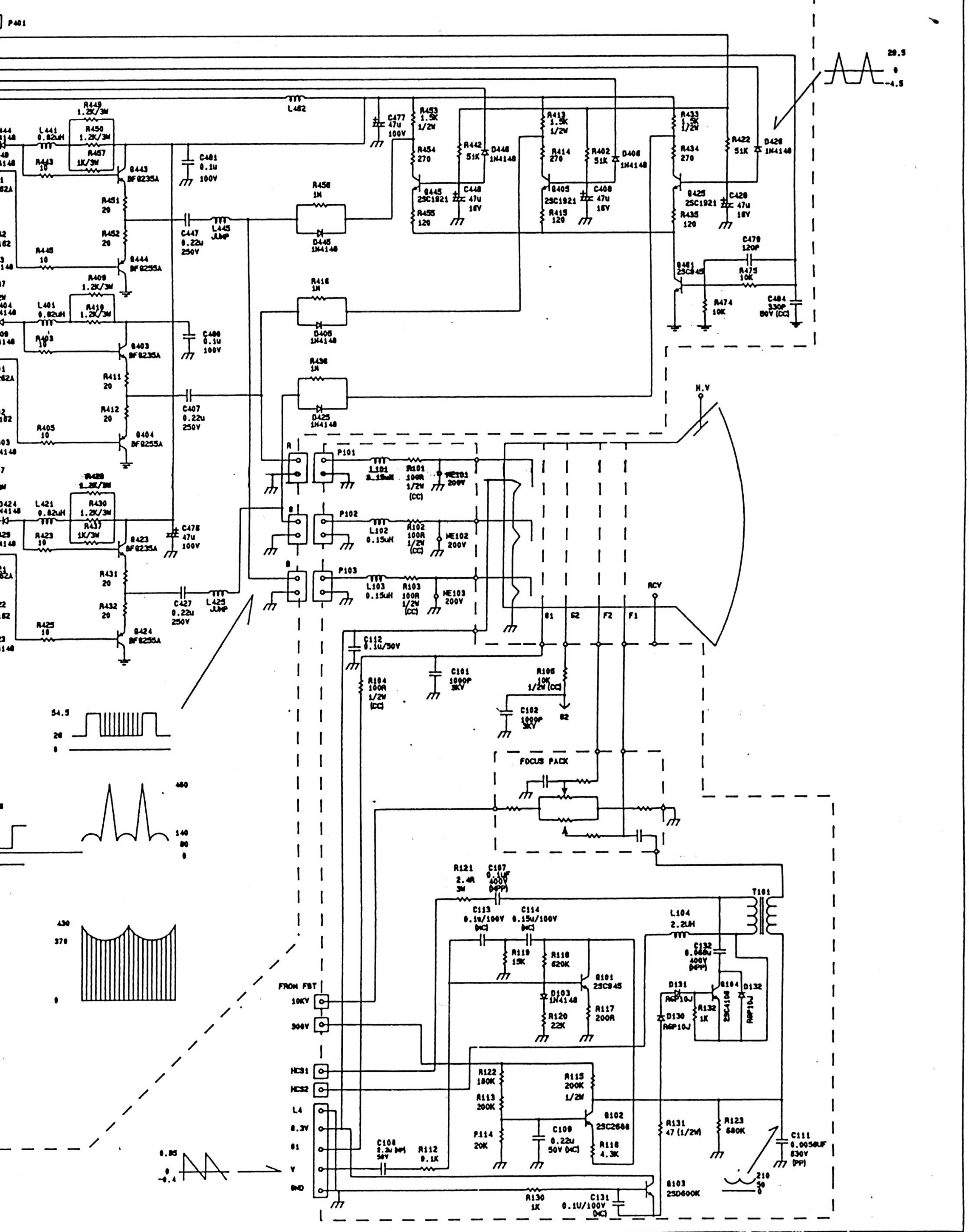

1K
1/2M5238A
R71
3K
8
3
6
F.B
7
IC4
R69
3K
FB
4.5V
5
1
IC4
R64
150
1/2M5238A
2
C41
0.22u
50V
R56
0.22R
1W
D15
FE1B
*R97
1M
4
VR1
5K
C51
680P
* R88
1K
C46
0.0039uF
100V (MC)
R84
330K
R72
191K
1%
*
R89
2.2K
R68
2.2K
MUT
27V/0.5A
ACK (MUTING)
D16
1N4606
COM
COM
N4001
6.3V/0.65A
12V/0.15A
*
R95
36K
R94
1.1K/1%
COM
C48
0.22u
100V
R73
43.2K
1%
R62
30K
*
R75
47K
R76
24K
R74
3.3K
1%
R67
4.7K
Q20
2SC2120Y

DRAWING DATE	TOLERANCE		SCALE	UNIT
04-08-'95	DIM	ANGLE	/	MM
	+ -	+ -		
DRAWER	SHEET		DRAWING NAME	FILENAME
	OF		POWER SUPPLY	

MODEL NO.: 2082G-1
2082G-2

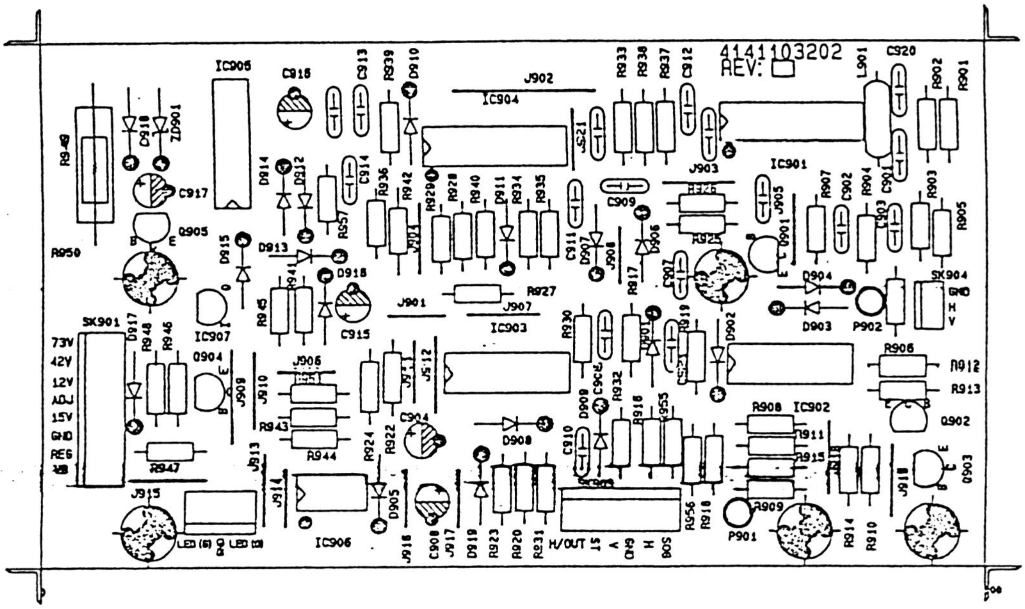

P402
P401
P403
P404
P201
R485 100R
C481 47u 16V
C482 0.01u 50 (MC)
R481 1K
C483 47u/25V
L481
R461 3.3 1/2W
C488 0.1u 50V (CC)
C490 220u 16V
R472 430
R473 1K
100V/MP 0.1uF C449
R448 100
C446 0.1u 50V
ICD1 LM1205
ICD2 LM1881N
CD8 0.022u
RD2 91
RC2 91
RC1 75
CC1 10U 16V (TC)
CD1 10U 16V
CD2 0.1U 50V
DC2 1N4148
DC1 1N4148
CC3 0.1u 50V
RA2 91
RA1 75
CA1 10U 16V (TC)
DA1 1N4148
DA2 1N4148
CA3 0.1u 16V
CB1 10U 16V (TC)
DB1 1N4148
RB1 75
RB2 91
DB2 1N4148
CB3 0.1u 50V
CD7 0.1U 50V
CD6 0.1u 50V
RD1 10K
RD7 3.9K
RE1 91
RE2 560
CC2 1u 35V
RD3 8.2K
CC4 0.1u 50V
RD4 1.1K
RC3 390
CE1 0.1u 50V
CD9 47u 16V
RE5 10
CD4 0.1u 50V
CD3 10u 50V
CE2 0.1u 50V
RA3 390
CA2 1u 35V
RB3 390
CB2 1u 35V
Q441 BF8262A
Q442 BF8182
Q443 BF8235A
Q444 BF8255A
Q401 BF8262A
Q402 BF8182
Q403 BF8235A
Q404 BF8255A
Q421 BF8262A
Q422 BF8182
Q423 BF8235A
Q424 BF8255A
R449 1.2K/3W
R450 1.2K/3W
R457 1K/3W
L441 0.82uH
D444 1N4148
D440 1N4148
R443 10
R451 20
R452 20
R445 10
R446 43
D443 1N4148
R447 24 1/2W
D404 1N4148
C448 82PF/50V
L401 0.82uH
R409 1.2K/3W
R410 1.2K/3W
D409 1N4148
R403 10
R408 100
C405 0.1u 50V
R411 20
R412 20
R406 43
R405 10
D403 1N4148
R401 20
R407 24 1/2W
C409 220P/50V
D424 1N4148
L421 0.82uH
R429 1.2K/3W
R430 1.2K/3W
R437 1K/3W
D429 1N4148
R423 10
R428 100
C425 0.1u 50V
R431 20
R432 20
R426 43
R425 10
D423 1N4148
R421 20
R427 24 1/2W
C428 33P 50V
C429 220PF/50V
C485 100P CC
D483 6.1V
1N4148X4
C487 100P
R486 1K
RE4 910
RE3 910
ZD1 5.1
CE3 0.1u 50V
CE5 10U 50V
RD5 470K
CE4 0.1u 50V
D484 1N4148
Q483 2SC945
R482 3K
C482 47u 16V
D482 1N4148
R458 390
R418 390
R438 390
D448
D408
D428
Q482 2SC945
R483 10K
R484 10K
R202 100
R201 JUMP
TO SPS
TO DMC 1000
V GND H SIG H
V H GND
B
GND
R
GND
G
GND
SELF-TEST
V
GND
H
R/G/B
G/G
0.7
0
-0.3
89
42
0
54.5
26
0
PIN 17/20/26
1.3
0
430
370
0

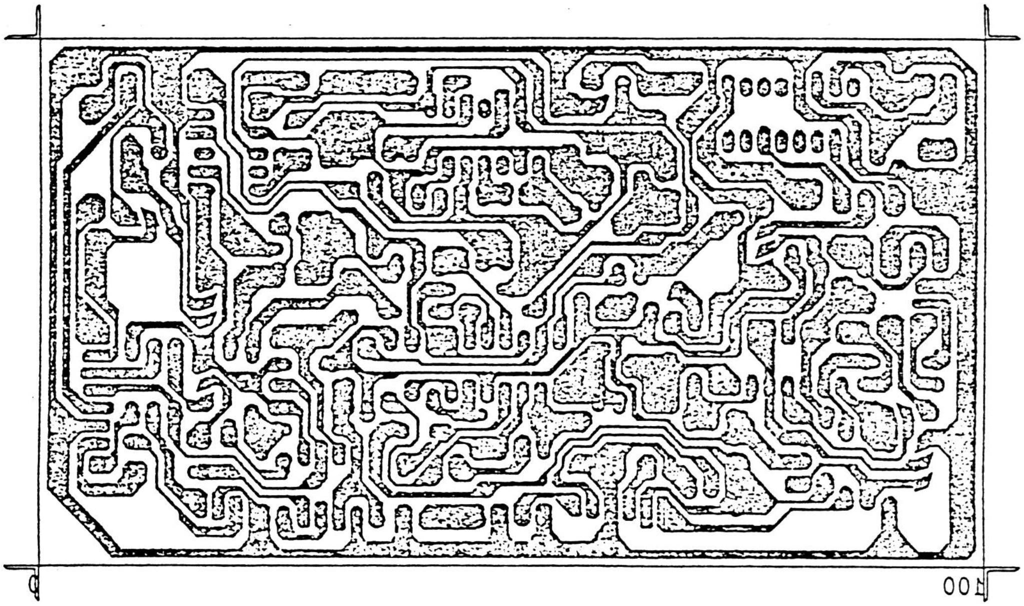
MODEL location	2082G-1	
L101	0.015uH	0.22uH
L102	0.015uH	0.22uH
L103	0.015uH	0.22uH
R101	100R 1/2W (CC)	22R 1W (MOF)
R102	100R 1/2W (CC)	22R 1W (MOF)
R103	100R 1/2W (CC)	22R 1W (MOF)

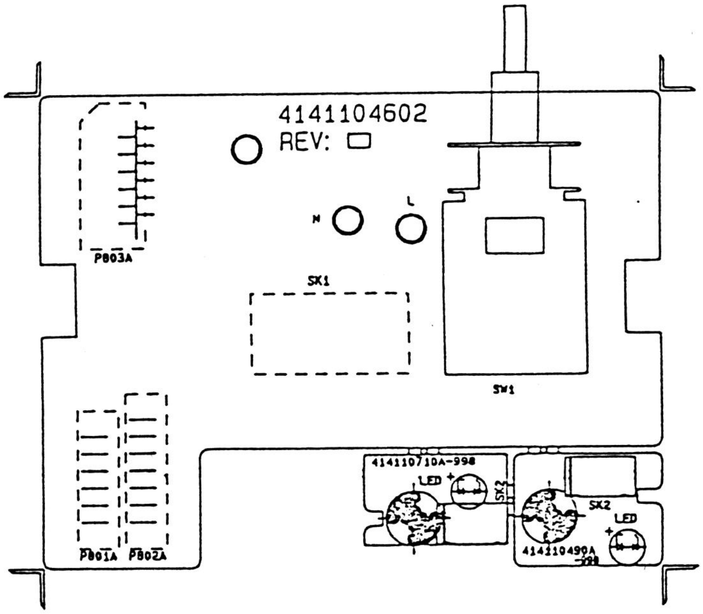

P401
29.5
0
-4.5
L482
R449 1.2K/3W
L441 0.82uH
R450 1.2K/3W
R457 1K/3W
R443 10
Q443 BF0235A
C481 0.1u 100V
C477 47u 100V
R453 1.5K 1/2W
R454 270
R442 51K
D448 1N4148
Q445 2SC1921
C448 47u 16V
R455 120
R413 1.5K 1/2W
R414 270
R402 51K
D408 1N4148
Q405 2SC1921
C408 47u 16V
R415 120
R433 1.5K 1/2W
R434 270
R422 51K
D428 1N4148
Q425 2SC1921
C428 47u 16V
R435 120
C479 120P
Q481 2SC945
R475 10K
R474 10K
C484 330P 50V (CC)
R451 20
R452 20
C447 0.22u 250V
L445 JUMP
R456 1M
D445 1N4148
R445 10
Q444 BF0255A
R409 1.2K/3W
L401 0.82uH
R410 1.2K/3W
R403 10
C400 0.1u 100V
R416 1M
D405 1N4148
Q403 BF0235A
R411 20
R412 20
C407 0.22u 250V
R436 1M
D425 1N4148
R405 10
Q404 BF0255A
H.V
R
G
B
P101
L101 0.15uH
R101 100R 1/2W (CC)
NE101 200V
P102
L102 0.15uH
R102 100R 1/2W (CC)
NE102 200V
P103
L103 0.15uH
R103 100R 1/2W (CC)
NE103 200V
R429 1.2K/3W
L421 0.82uH
R430 1.2K/3W
R437 1K/3W
R423 10
C478 47u 100V
Q423 BF0235A
R431 20
R432 20
C427 0.22u 250V
L425 JUMP
R425 10
Q424 BF0255A
RCV
G1
G2
F2
F1
C112 0.1u/50V
C101 1000P 3KV
R104 100R 1/2W (CC)
R106 10K 1/2W (CC)
C102 1000P 3KV
G2
54.5
20
0
FOCUS PACK
480
140
80
0
430
370
0
R121 2.4R 3W
C107 0.1uF 400V (MPP)
T101
C113 0.1u/100V (MC)
C114 0.15u/100V (MC)
L104 2.2UH
C132 0.068u 400V (MPP)
R119 15K
R118 620K
Q101 2SC945
D103 1N4148
R120 22K
R117 200R
D131 RGP10J
D130 RGP10J
R132 1K
Q104 2SC4106
D132 RGP10J
FROM FBT
10KV
300V
HCS1
HCS2
L4
6.3V
G1
V
GND
R122 180K
R113 200K
R114 20K
C109 0.22u 50V (MC)
R115 200K 1/2W
Q102 2SC2688
R116 4.3K
R131 47 (1/2W)
R123 680K
C111 0.0056UF 630V (PP)
C108 2.2u (M) 50V
R112 9.1K
0.85
0
-0.4
R130 1K
C131 0.1U/100V (MC)
Q103 2SD600K
210
50
0

DRAWING DATE	TOLERANCE		SCALE	UNIT
04-08-'95	DIM + -	ANGLE + -	/	MM
DRAWER	SHEET		DRAWING NAME	FILENAME
	OF		NECK	
MODEL NO.:	2082G-1 2082G-2			

PCB LAYOUT DRAWING


4141103202
REV:
IC905
C918
C913
R939
D910
J902
IC904
R933
R938
R937
C912
L901
C920
R902
R901
R949
D918
ZD901
C917
D914
D912
C914
R957
R936
R942
R929
R928
R940
D911
R934
R935
J921
C909
J903
R926
IC901
J905
R907
C902
R904
C901
R903
R905
Q905
R950
D915
D913
D916
C911
D907
J908
D906
R917
R925
Q901
D904
SK904
GND
H
V
R941
R945
R927
J901
J907
D907
SK901
73V
42V
12V
ADJ
15V
GND
REG
D917
R948
R946
IC907
C915
IC903
R930
D901
R919
D902
D903
P902
R906
R912
R913
Q904
J909
J910
J906
R943
R944
J911
J912
R924
R922
C904
C905
R932
D909
C910
R918
R955
D908
R908
IC902
R911
R915
Q902
Q903
R947
J913
J914
J915
IC906
D905
J918
C908
J917
D919
R923
R920
R931
H/OUT
V
GND
H
SOS
R956
R909
P901
R914
R910
J916
LED
GND
LED

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L
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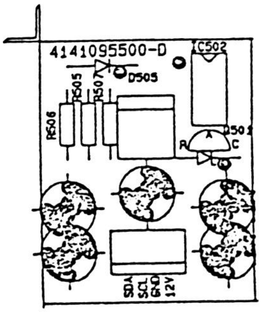
SW1
P801A
P802A
414110710A-998
LED
SK2
SX2
LED
414110499A
-998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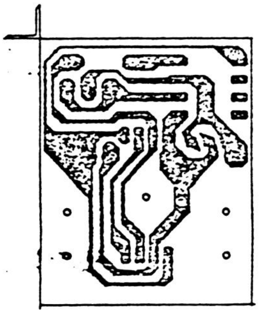
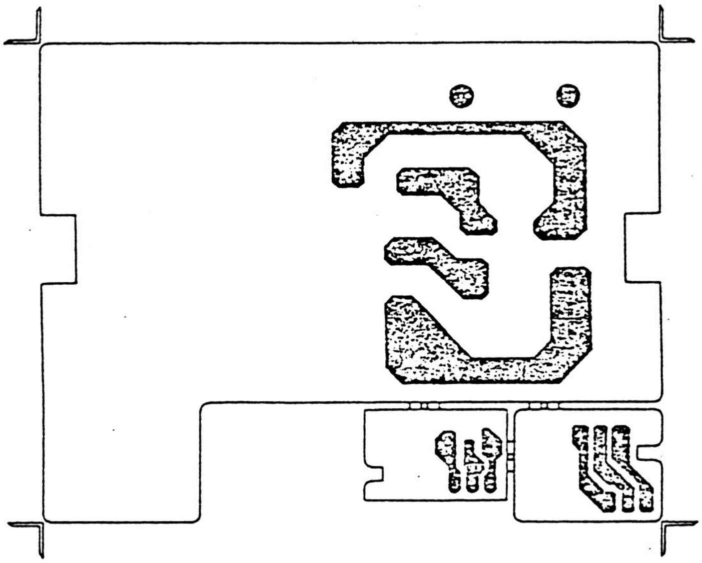
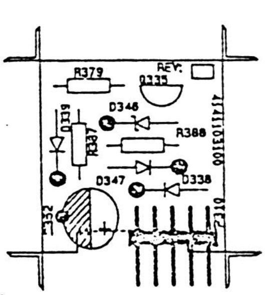
D505
R505
R507
R506
D501
R
A
C
SDA
SCL
GND
12V



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R388
D347
D338
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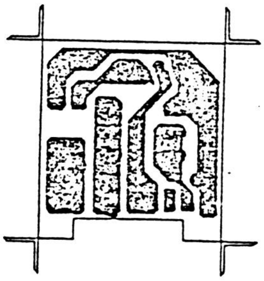
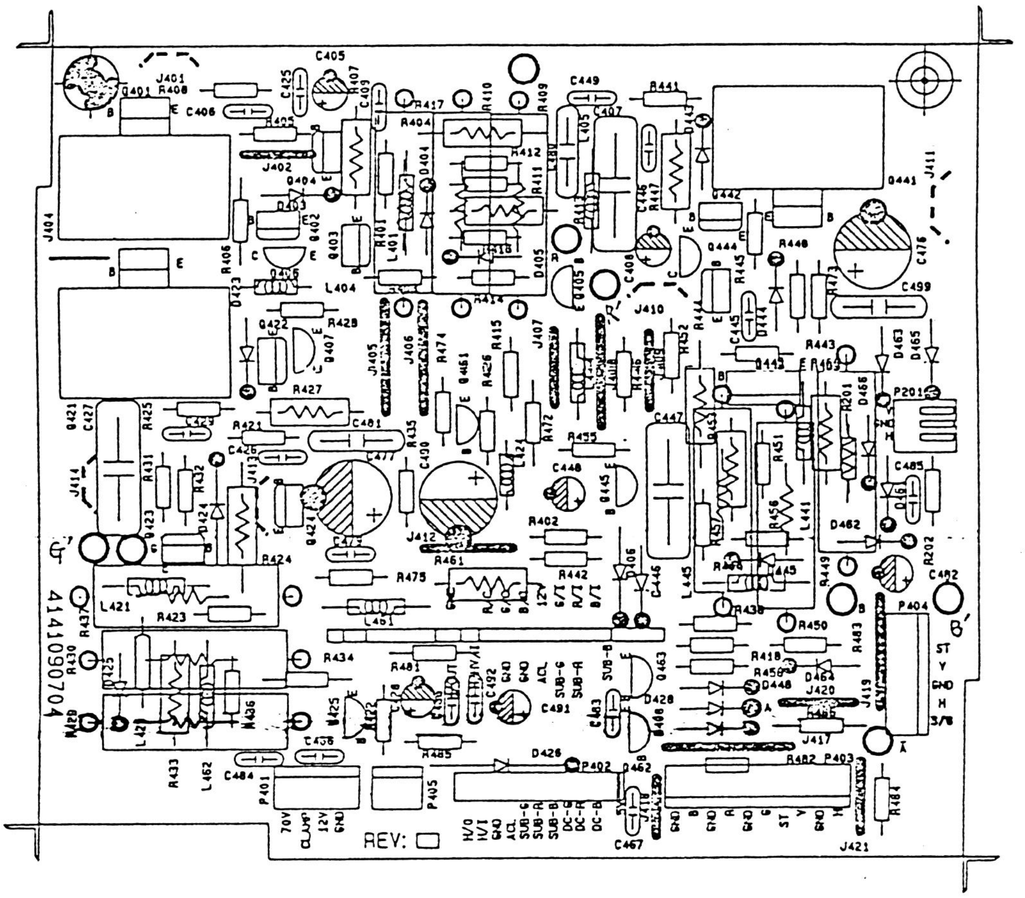
C352

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P405
H/O
V/I
GND
ACL
SUB-G
SUB-R
SUB-B
DC-G
DC-R
DC-B
P402
P403
GND
B
GND
R
GND
G
ST
V
GND
H
J421
P404
ST
V
GND
H
3/8
J404
J401
Q401
R408
C405
C406
C425
Q407
R417
R410
R409
R404
R412
R411
R401
L401
D405
Q405
C449
R441
C407
J411
Q441
Q442
Q444
R448
C476
C499
R443
D463
D465
P201
R201
D466
C485
R202
D462
C482
J402
Q404
D403
Q402
Q403
Q406
L404
Q423
Q422
Q407
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J405
J406
R474
R415
J407
J410
R452
R444
C445
D444
Q443
R469
R427
R425
Q421
C427
C429
R421
C481
R435
C426
C477
C400
R472
R455
C447
R451
R456
L441
J414
R431
R432
J413
Q424
D424
C448
Q445
R402
R442
J412
R461
R475
C473
L421
R424
R423
L461
R437
R430
R434
R481
C492
C491
Q463
R450
R418
R438
R449
R483
R458
D464
D448
J420
J419
J417
R486
D428
C483
R436
L427
Q425
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C484
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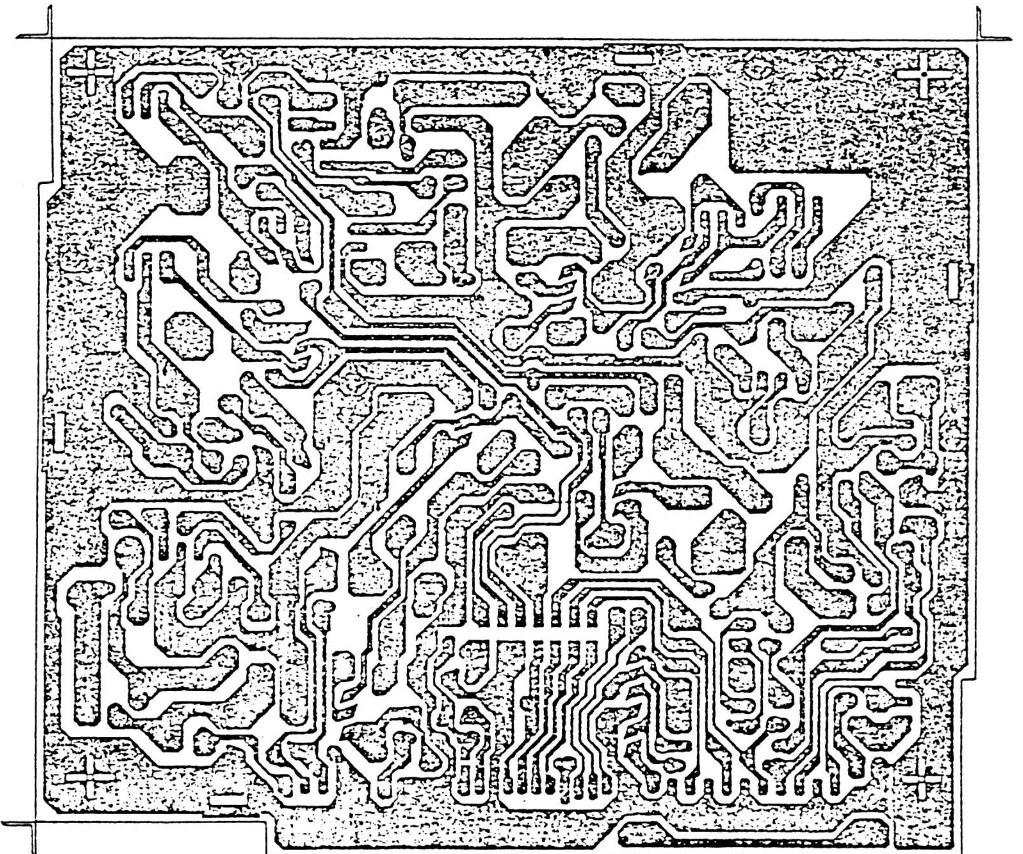
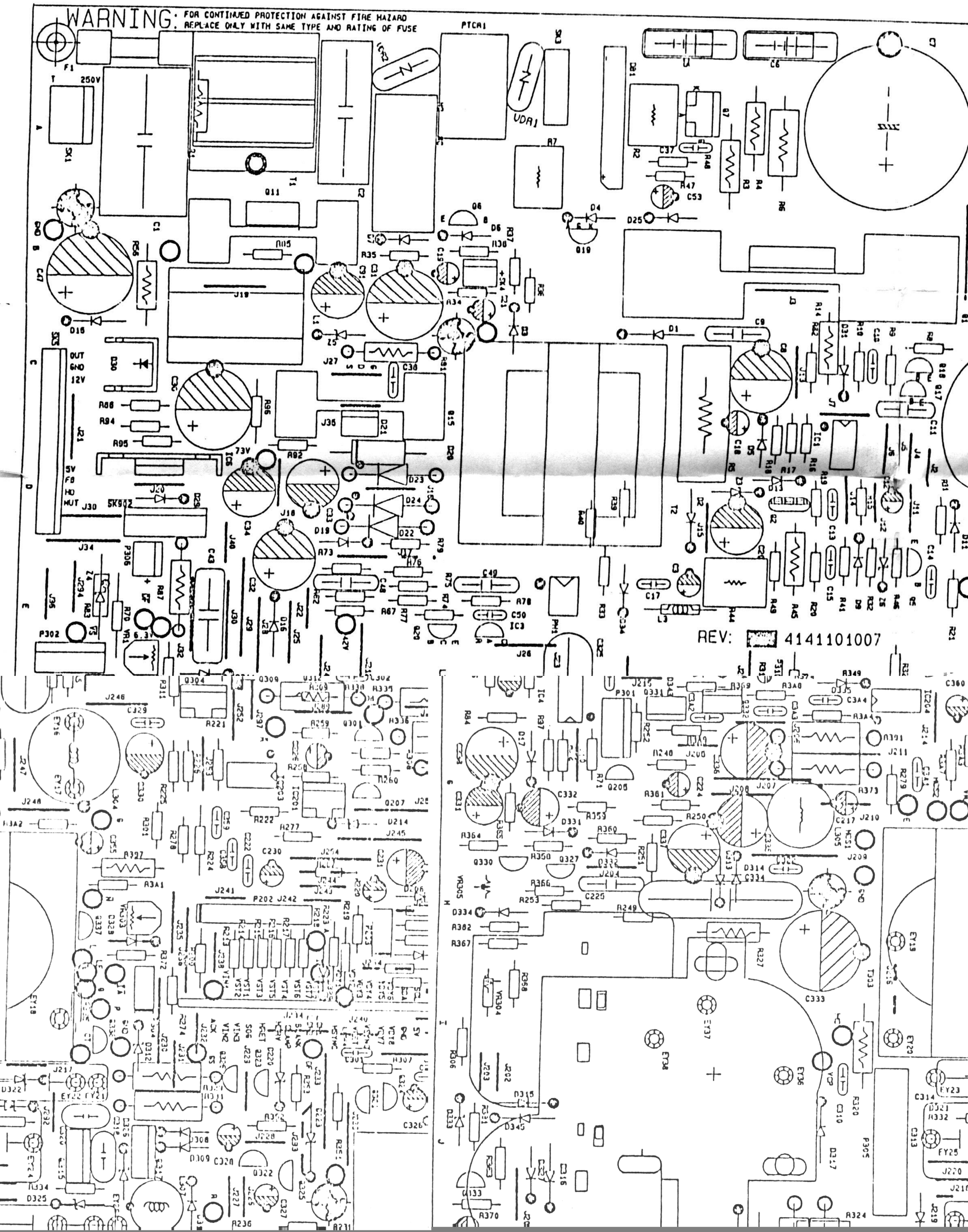
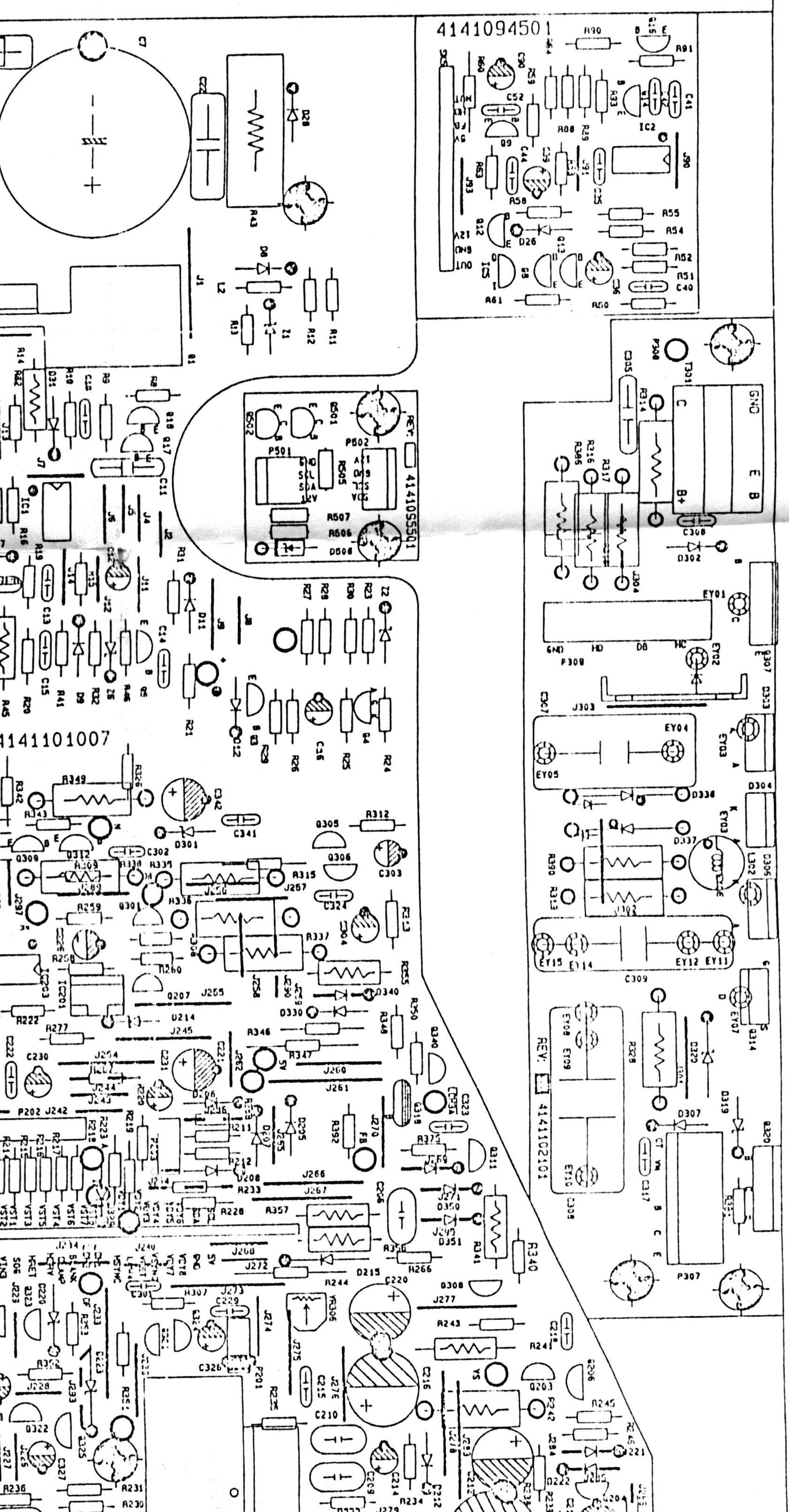
L462
C467
J418
R482
R484
6/I
R/I
B/I
12V




WARNING: FOR CONTINUED PROTECTION AGAINST FIRE HAZARD
REPLACE ONLY WITH SAME TYPE AND RATING OF FUSE
F1
T 250V
PTCR1
VDR1
T1
Q11
C1
C2
C7
J19
J21
J30
J34
SK902
P306
P302
REV: 4141101007
J246
J241
P202 J242
P301
EY37
EY38
EY36
C333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REV.
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REV.
4141102101
R90
R91
IC2
C41
R33
R29
R08
C52
Q9
C44
R63
J93
J91
C35
J90
R58
R55
R54
R52
R51
C40
R50
R61
Q12
D26
Q13
Q8
IC3
C36
12V
GND
OUT
C7
D28
R43
D8
L2
J1
R13
R12
R11
Z1
Q1
Q501
Q502
P501
P502
R505
R507
R506
D506
SCL
SDA
12V
R14
R82
D31
R10
C15
R9
R8
Q18
Q17
J7
C11
J13
IC1
J6
J5
J4
J2
R16
R19
R31
J14
J12
J11
D11
J9
J8
R27
R28
R30
R23
Z2
C13
C14
R45
R20
C15
R41
D9
R32
R46
Q5
R21
D12
Q3
R26
C16
R25
Q4
R24
R349
R342
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C302
R315
J257
J250
C324
C304
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R259
Q301
R338
R337
R255
C226
R258
R260
R306
J258
J230
IC203
IC201
Q207
J265
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R348
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J245
R346
R347
Q340
C222
C230
J254
C231
C221
J262
J260
J261
J244
J243
R220
D206
J236
D205
P202
J242
R392
J270
FB
Q319
C323
R373
Q311
R217
R218
R223
R219
R211
R212
D208
R233
J266
J267
C256
D350
D351
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R228
R356
R266
R341
R340
J260
J272
R244
D215
C220
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J274
J275
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C218
R241
C326
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C216
C210
Q203
Q206
R245
R242
J284
D221
D222
R239
C212
C209
C214
R234
R236
R231
R230
J228
J233
Q322
Q325
J227
C327
R251
P308
T301
C305
R314
C
GND
E
B
B+
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R316
R317
C308
D302
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EY01
GND
HD
DB
HC
P309
EY02
D307
J303
C307
D313
EY04
EY03
EY05
D304
D336
D337
EY03
R390
R313
J302
L302
D306
C309
EY15
EY14
EY12
EY11
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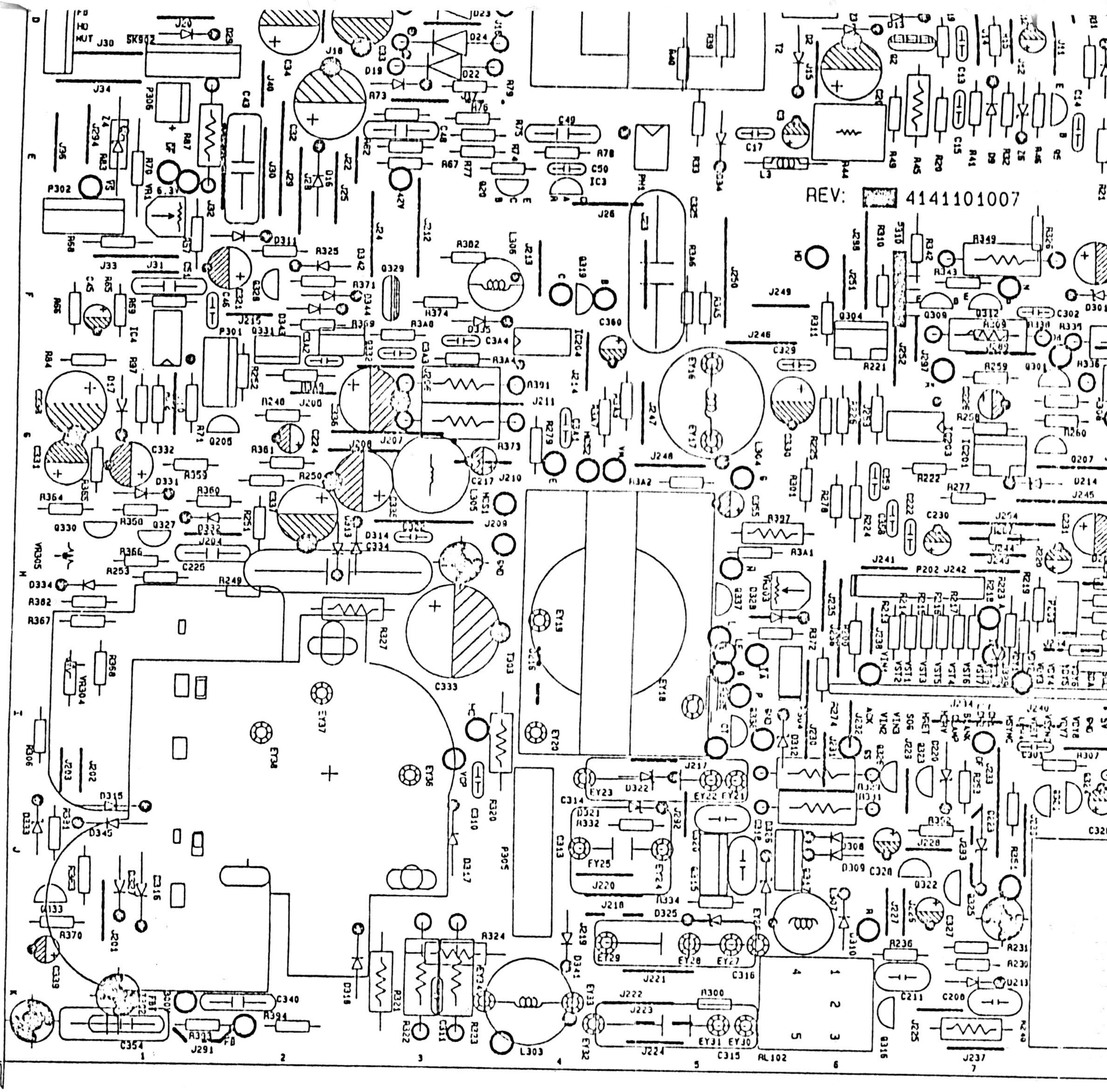
CT
VM
P307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J33
J31
C45
R65
R59
IC4
R66
R84
R87
D17
C334
C331
C332
R365
R364
Q330
VR345
D334
R382
R367
R253
R366
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Q327
D332
R360
R353
D331
R361
R240
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D344
R369
R3A0
D345
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R374
R302
L306
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Q319
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C49
R75
R74
R76
R73
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D24
D23
D19
J18
C34
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C43
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J29
J25
D16
J28
R67
R77
C48
R79
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J211
R279
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J209
C336
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J207
R250
C224
R251
C225
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D314
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J313
R249
R327
C333
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J202
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D345
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D316
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P305
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D316
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C208
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R231
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D325
R334
J218
J220
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EY24
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D322
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EY22
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J230
J231
R274
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VIN3
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HSET
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J223
HSYNC
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J226
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R215
R216
R217
R218
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VST1
VST2
VST3
VST4
VST5
VST6
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J234
J236
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R397
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R3A2
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R345
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EY17
C329
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J249
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J251
R311
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J252
J297
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Q312
R308
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D301
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R336
Q301
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R258
R260
Q207
D214
J245
J244
J243
C231
C230
C222
C59
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R222
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C330
L3
R44
R45
R49
R20
R41
R42
R43
R46
C15
C13
C14
C17
R33
R39
R40
D13
T2
J15
J11
J12
R31
R21

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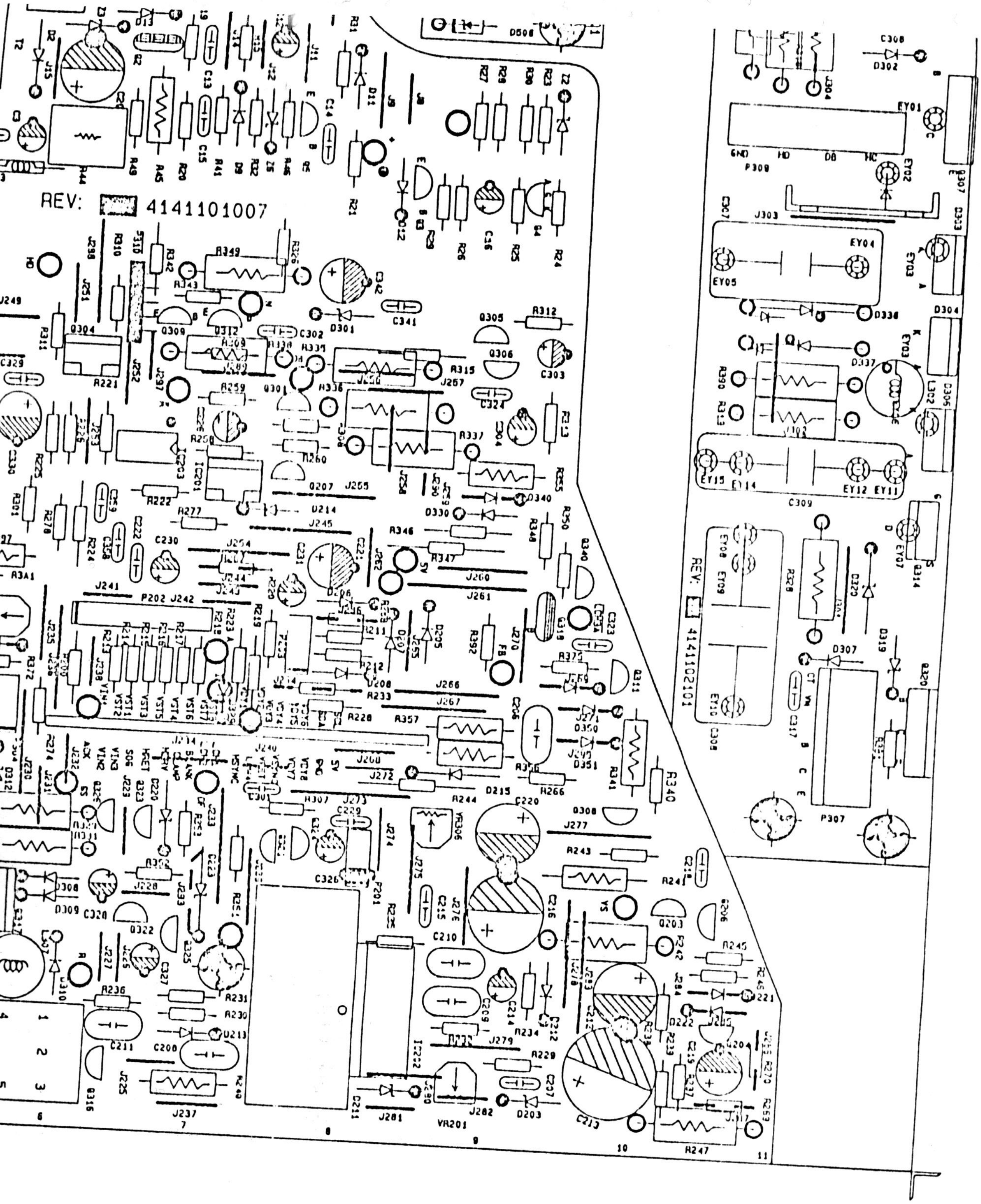
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EY02
EY04
EY05
EY11
EY12
EY14
EY15
R349
R326
C342
C341
D301
Q305
R312
Q306
C303
R315
J267
C324
R337
R345
D340
D330
R346
R347
J260
J261
J266
J241
R221
Q304
R222
R277
C230
J245
J265
D214
Q207
C220
R243
R241
C216
C210
C209
C212
C213
R247
R245
R229
R234
J279
J281
J282
VR201
D203
C207
C211
C200
R236
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R231
R240
J237
J225
R357
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R266
D215
R244
J272
J273
J268
J274
J277
J275
J276
R307
C229
C326
Q308
Q322
Q203
Q206
R242
D222
R233
R228
R391
R392
R340
R341
D350
D351
D307
D302
D304
D306
D308
D309
D310
D333
D337
D336
D319
C308
R390
R313
R320
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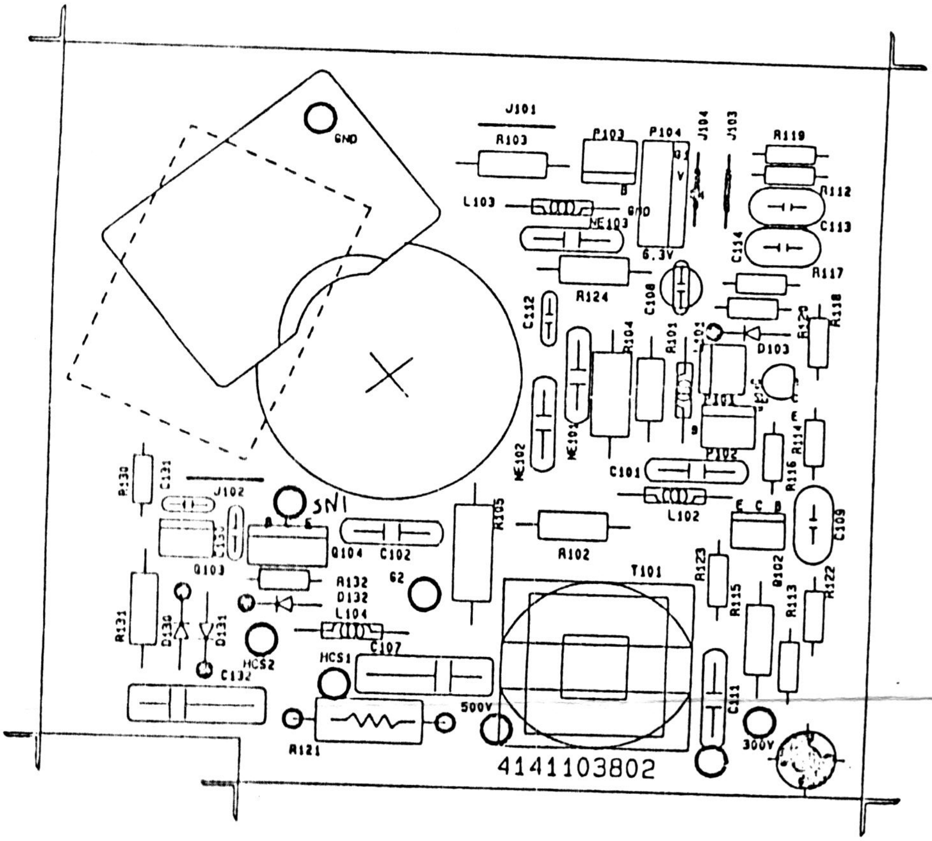
11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P104
J104
J103
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B
L103
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ME103
6.3V
R112
C113
C114
R117
R124
C108
C112
R104
R101
D103
R120
R118
ME101
ME102
P101
P102
R114
R116
C101
L102
R130
C131
J102
SN1
B C E
Q103
Q104
C102
R105
R102
T101
E C B
C109
R123
R115
B102
R113
R122
R132
D132
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D131
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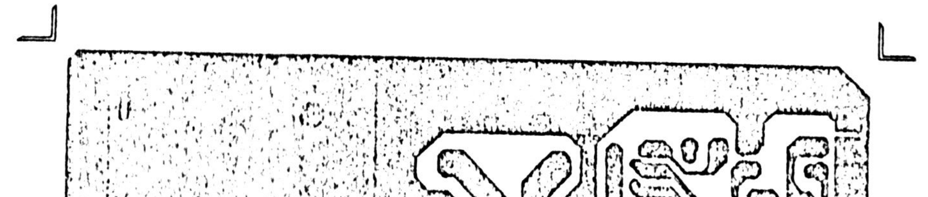
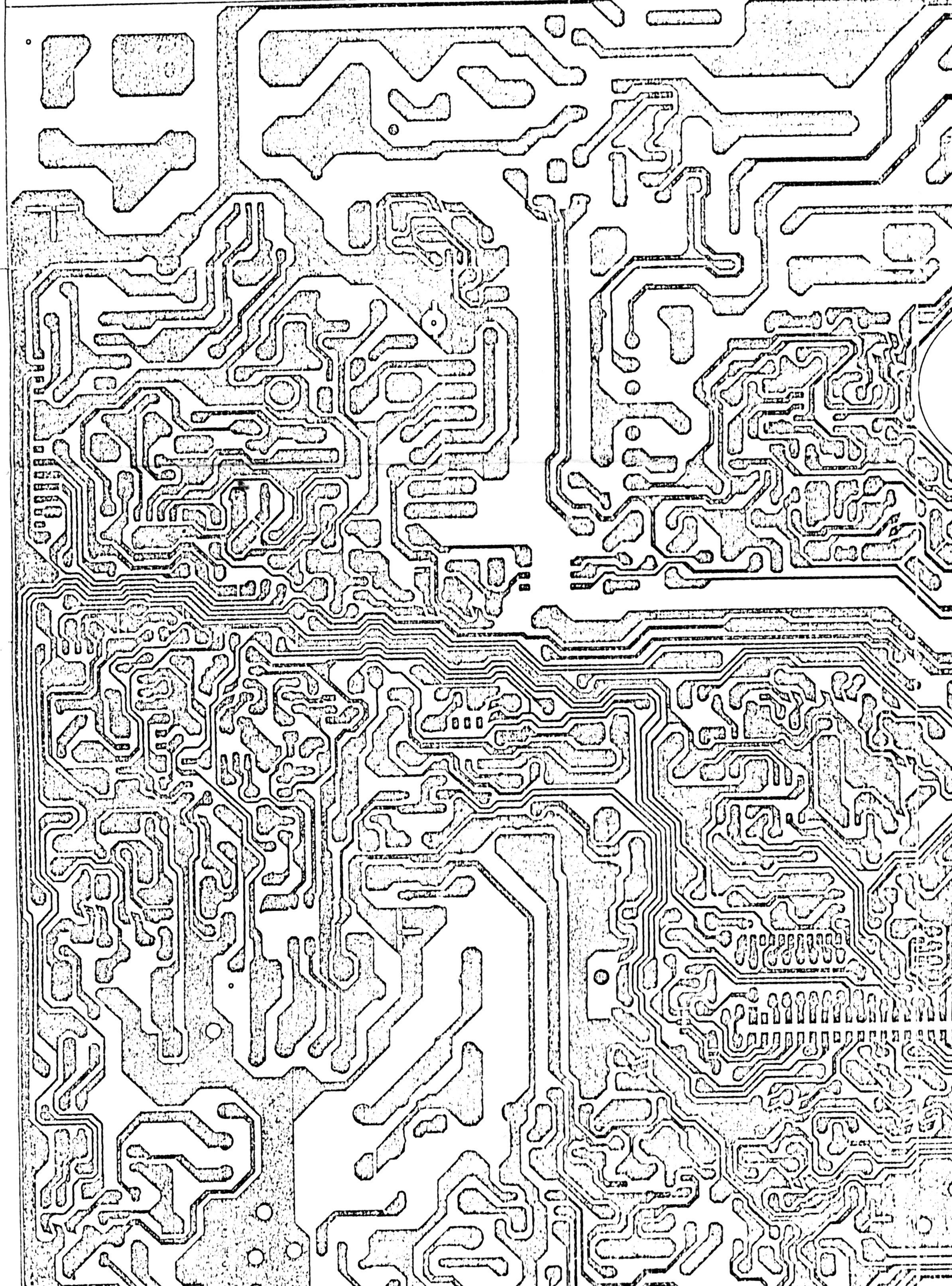
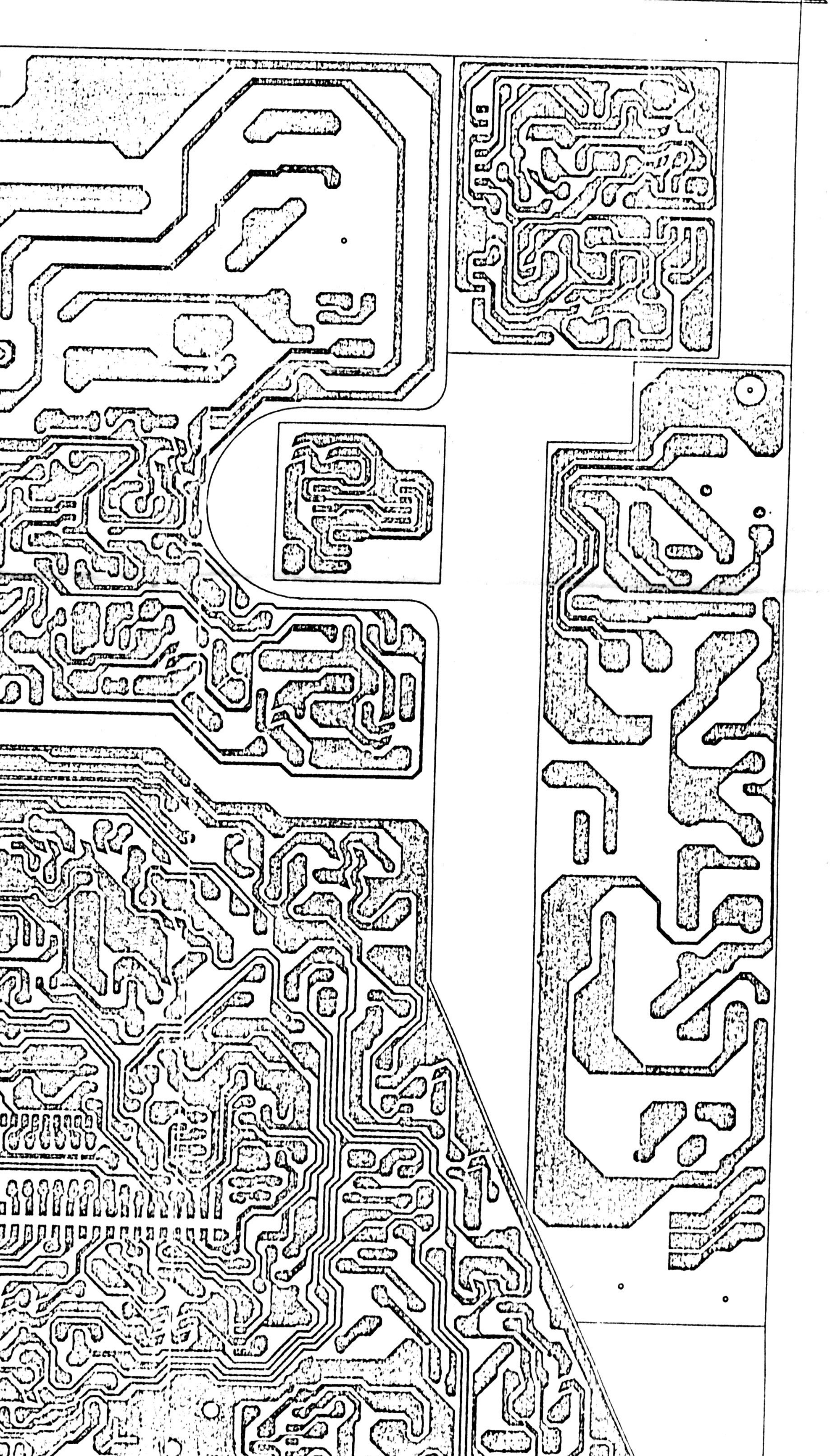
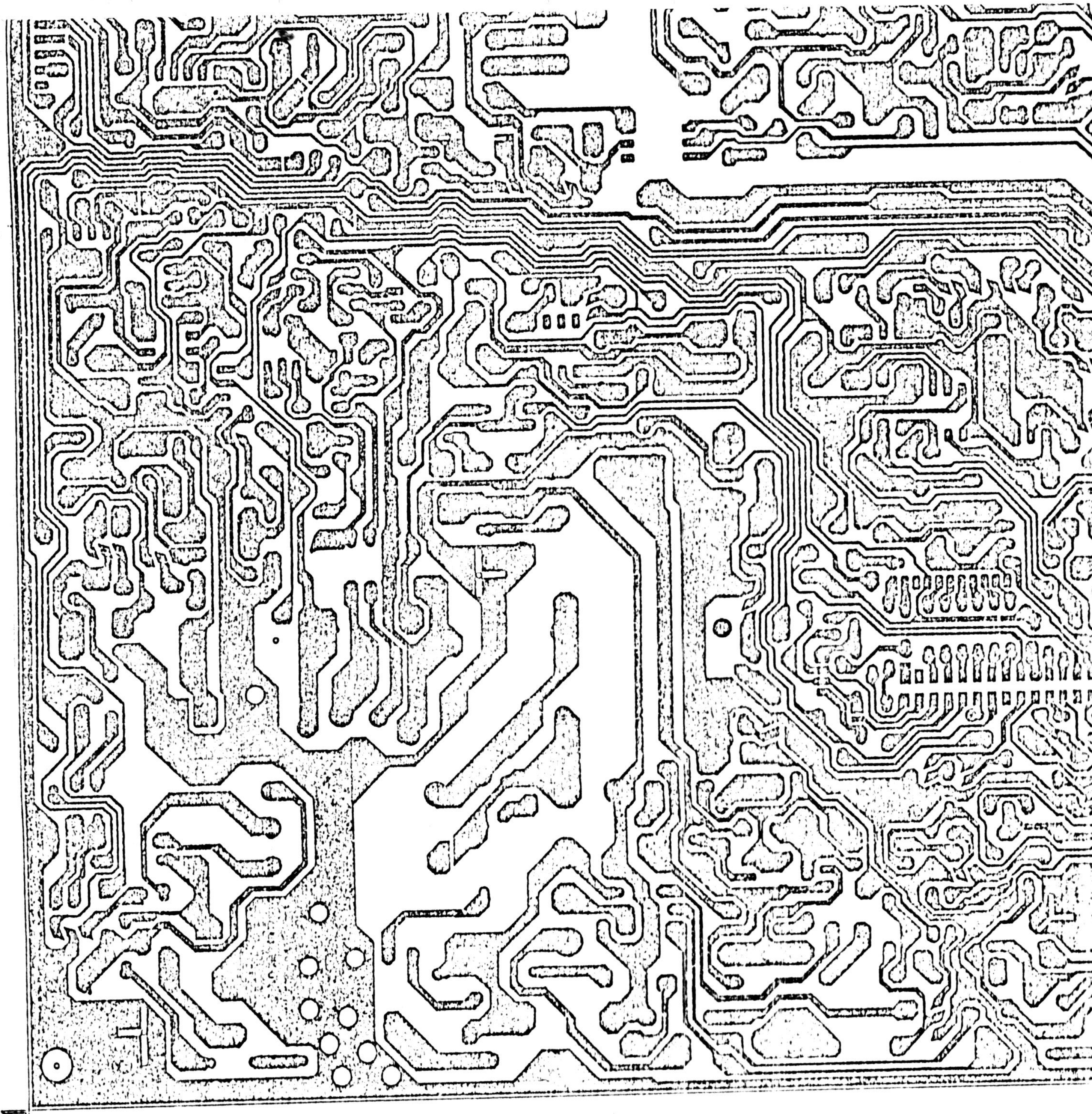
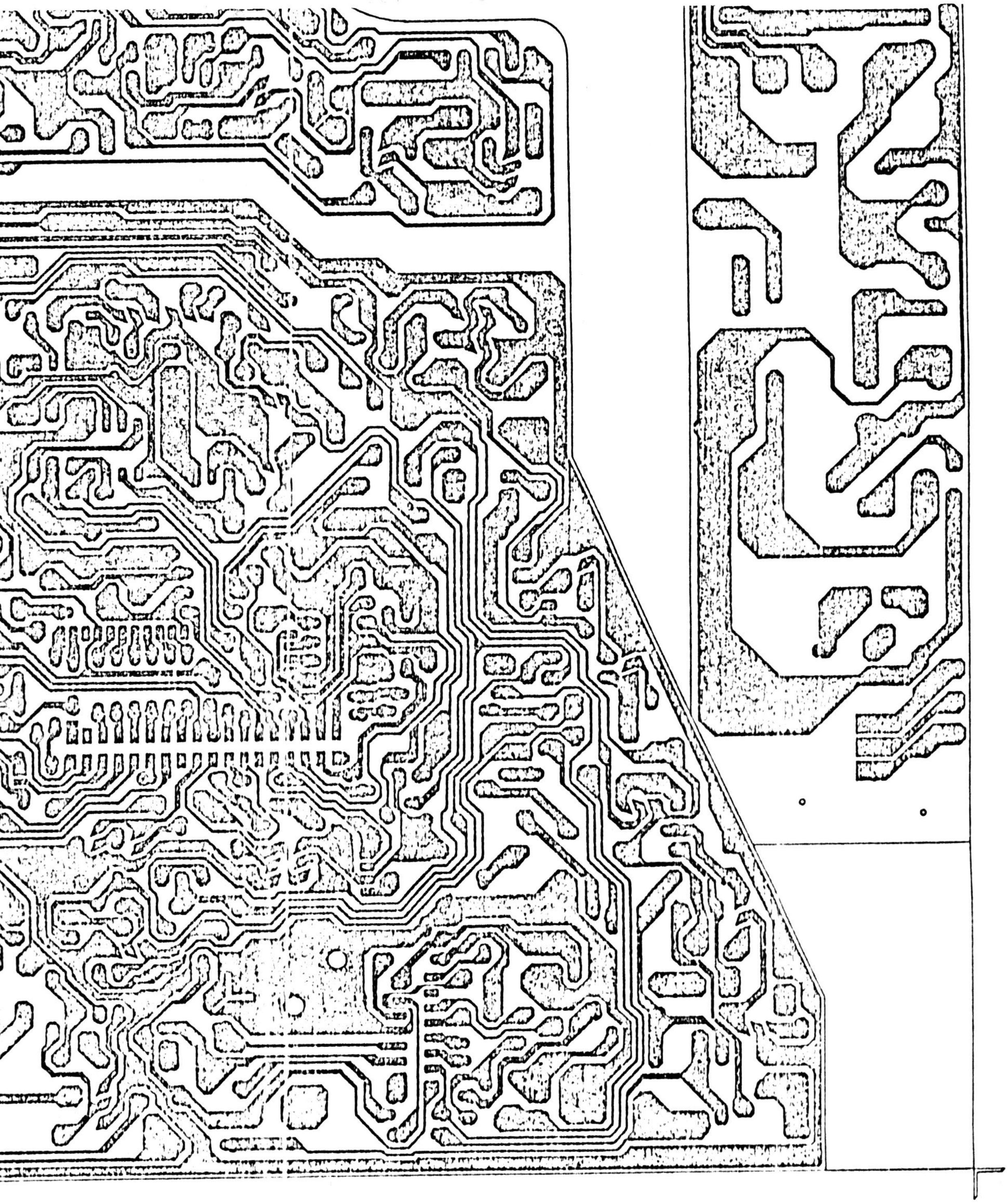
C107
C132
HCS1
500V
C111
300V
R121
4141103802

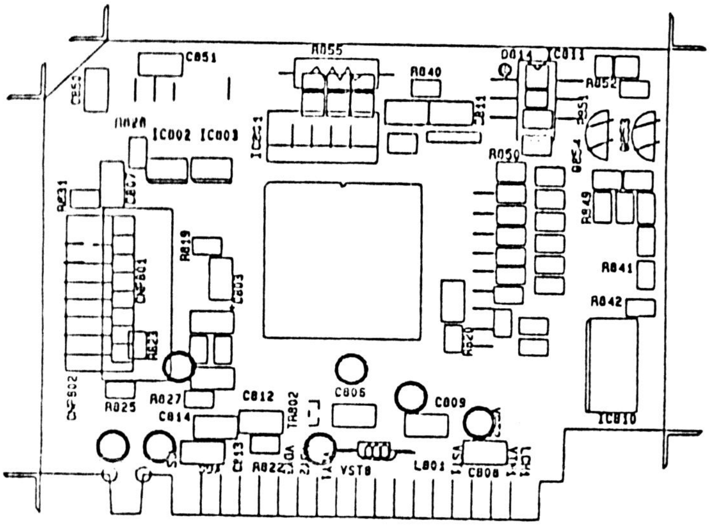








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IC851
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CNP801
R819
C803
R841
R842
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R822
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L801
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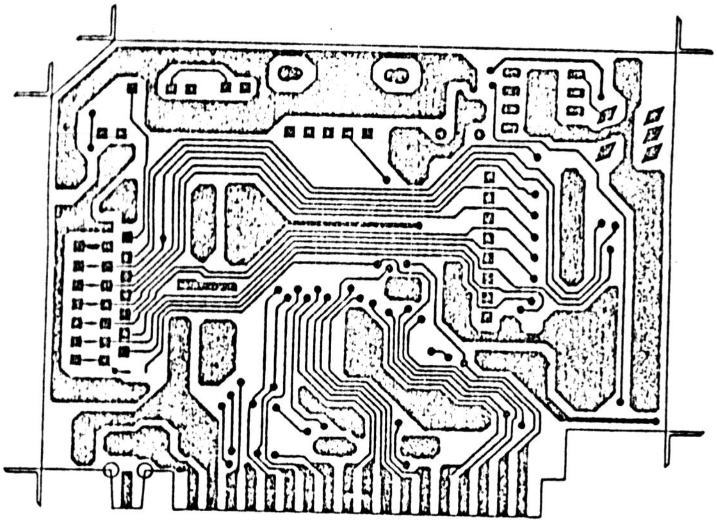
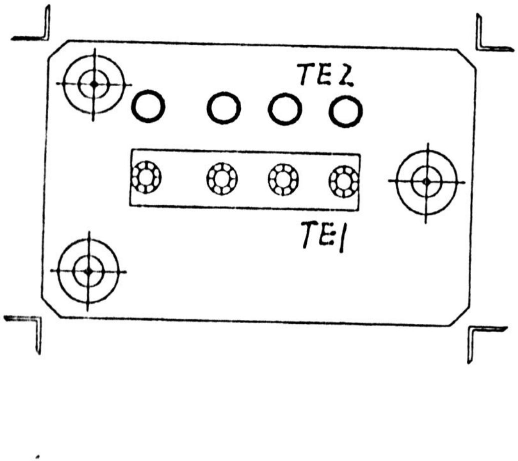
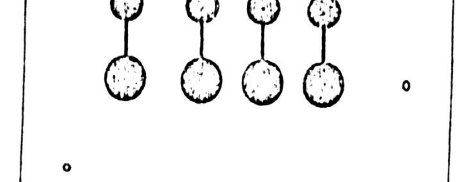
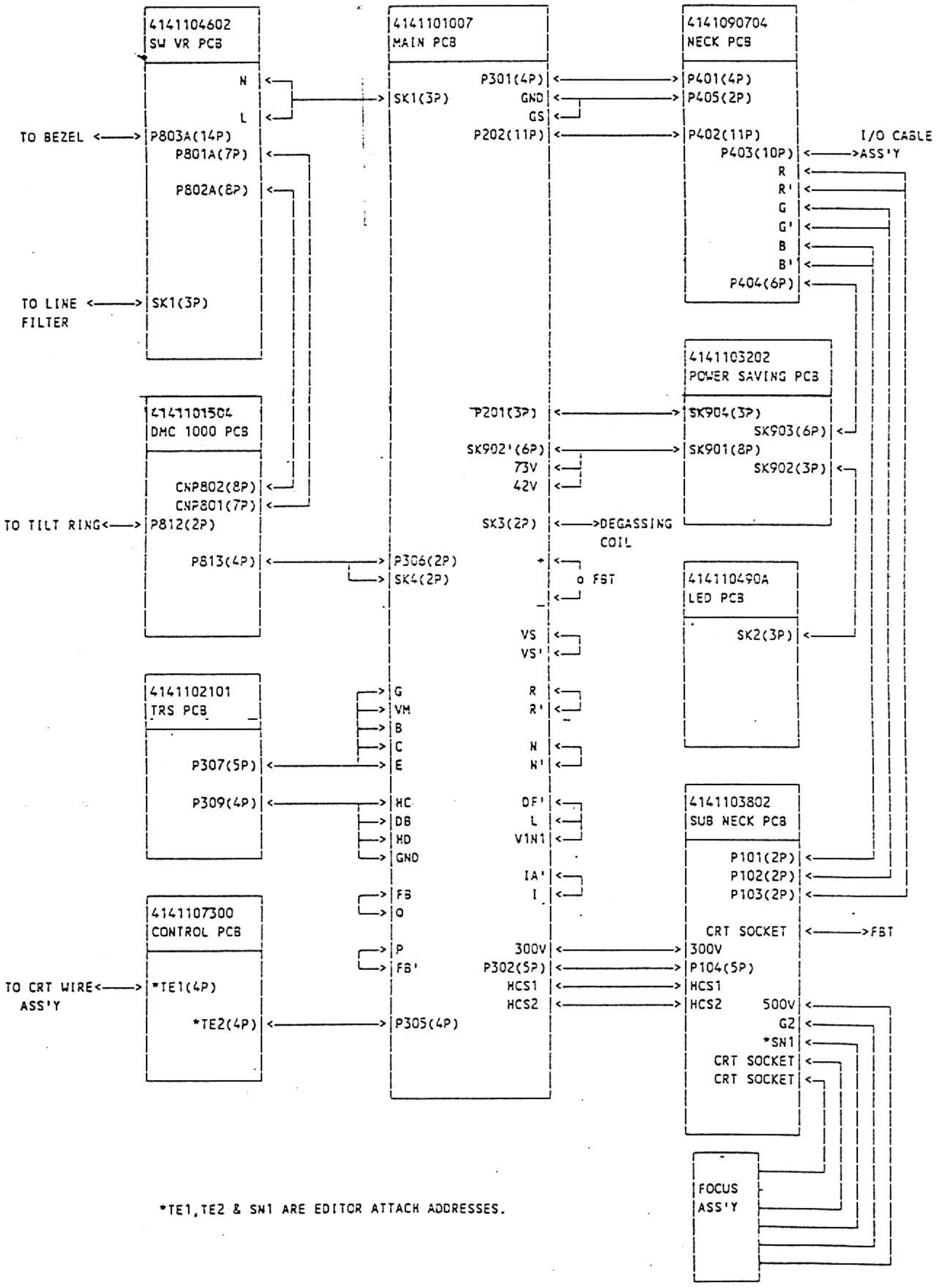



TE2
TE1



PCB WIRE CONNECTOR

CHECKED BY: 8/30 91



4141104602
SW VR PCB
N
L
TO BEZEL
P803A(14P)
P801A(7P)
P802A(8P)
TO LINE FILTER
SK1(3P)
4141101504
DMC 1000 PCB
CNP802(8P)
CNP801(7P)
TO TILT RING
P812(2P)
P813(4P)
4141102101
TRS PCB
P307(5P)
P309(4P)
4141107300
CONTROL PCB
TO CRT WIRE ASS'Y
*TE1(4P)
*TE2(4P)
4141101007
MAIN PCB
SK1(3P)
P301(4P)
GND
GS
P202(11P)
P201(3P)
SK902'(6P)
73V
42V
SK3(2P)
DEGASSING COIL
P306(2P)
SK4(2P)
+
o FBT
_
VS
VS'
G
VM
B
C
E
R
R'
H
H'
HC
DB
HD
GND
DF'
L
V1N1
IA'
I
FB
O
P
FB'
300V
P302(5P)
HCS1
HCS2
P305(4P)
4141090704
NECK PCB
P401(4P)
P405(2P)
P402(11P)
P403(10P)
I/O CABLE ASS'Y
R
R'
G
G'
B
B'
P404(6P)
4141103202
POWER SAVING PCB
SK904(3P)
SK903(6P)
SK901(8P)
SK902(3P)
414110490A
LED PCB
SK2(3P)
4141103802
SUB NECK PCB
P101(2P)
P102(2P)
P103(2P)
CRT SOCKET
FBT
300V
P104(5P)
HCS1
HCS2
500V
G2
*SN1
CRT SOCKET
CRT SOCKET
FOCUS ASS'Y

*TE1,TE2 & SN1 ARE EDITOR ATTACH ADDRESSES.

Replacement Parts List
2082G-1
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MAY/08/'95

ADDRESS	Item Number	Spare	Description	Comment
******	CT60025248-R		PLASTIC PARTS UNION	
	1004096002	S	COVER (R)	FOR REAR COVER ASS'Y
	1004096320	S	#CONTROL DOOR	
	1005096002	S	COVER (L)	FOR REAR COVER ASS'Y
	1006094251		RETAINER	
	1006096002		RETAINER PLATE	
	1008096000	S	BASE	
	1009094238		LATCH	
	1009096000		TILT BALL	
	101509433P	S	DOOR LOCK	
	1019094230	S	FOOT	
	1022196000	S	REAR COVER ASS'Y	
	2003099000		ANODE COVER	
	2004694251		CHASSIS TOP	
	2007096000		REAR COVER SUPPORT	
	463310001N	S	AC POWER CORD WALL UL/CSA GRY	
	5530200102		CORD CRAMPER TH-A	
	5550180232		INDUSTRIAL TAPE 3M W=18mm #232	
	8037114016		SCREW BIND(+) M4X16 HI-LOW	FOR COVER (R,L) & REAR COVER ASS'Y
	8037115035		SCREW BID(+) HI-LO M5X35	FOR BEZEL & BUCKET
	8081111530		SCREW BIND/HD MACH 1/4"-20X30	
	8127113006		SCREW PAN(+)/HD CAP TAPPING M3	FOR CHAS TOP & CHAS (R)(L) X6,CRT FRAME & ANODE CO
	8418114014		SCREW BID(+) M4X14 TAPPING TRI	TILT BALL & LATCH
	8504113006		SCREW BID(+) M3X6 MACH W/DISK	CHAS REAR & CHAS TOP X1
	9004096320		COVER I2C	
	9006099000		ANODE INSULATOR	
	9016096002		#MANUAL	

-- END --

ADDRESS	Item Number	Spare	Description	Comment
******	CT60025245-R		CHASSIS PARTS UNION	
	1001196002	S	BEZEL ASS'Y	
	1002096002		#POWER KNOB	
	1003096002	S	#PW SW PCB PLATE	
	1006096330		SNAP BUSHINGS (NB1722)	STAND X1, CHAS BTM X1
	1010094090		RUBBER WASHER 20¢X5.5¢X2.2T	
	1023094000		BUSHING SNAP	FOR CRT FRAME
	2001196010		CRT FRAME	
	2002294660		CHASSIS (R)	
	2007099000		CONTACT FINGER B	
	2008099000		CONTACT FINGER C	
	2009096000		CHASSIS (BTM)	
	2010096340		CHASSIS REAR	
	2013096320		FINGER (B)	CRT FRAME & CHAS (R)
	2014096320		AEF PLATE	
	2016094230		STUD M3X12	VIDEO BOARD X4
	2017094030		GROUND CLAMP	FOR I/O CABLE X2,POWER WIRE X1
	2027094660		CONDUCTOR	FOR NECK
	4141107300	S	P.C.B. CONNECTOR	
	4410506330		TCO MYLAR W/CARBON	
	4410514026	S	MEMBRANE SWITCH 34273	2082G-1
	4490400207		CONN. 4P WAFER ROUND PIN	
	5530200101		CORD CRAMP TH-C	
	5530200102		CORD CRAMPER TH-A	FOR SPS WIRE ASS'Y X1,NECK COVER X1
	5530311005		SUPPORT PCB	FOR POWER SAVING X3,CONTROL PCB X3
	5541025095		CABLE TIE 2.5X90	FOR WIRE ASS'Y
	5541025160		CABLE TIE-BINDING 2.5X160	
	5550501194		COPPER TAPE 1194 W-50	
	7010026220	S	#CRT M48KFH380X16	
	7020196000		DEGAUSSING COIL W/CORE	
	8026113006		SCREW BIND(+) TAPPING TRI ANGL	FOR CRT FINGER & CRT FRAME X12
	8026113008		SCREW BID(+) ZINC M3X8 TAPPING	FOR FOCUS & FOCUS BKT (A)
	8026113010		SCREW BIND(+) TAPPING M3X10 TR	FOR LED & BEZEL
	8121114008		SCREW CAP BID(+) M4X8 TAPPING"	FOR I/O CABLE & CHAS (R) ASS'Y X1,POWER WIRE & CHA
	8127113006		SCREW PAN(+)/HD CAP TAPPING M3	FOR CRT FRAME & CHAS BTM X3,CRT FRAME & STAND X4,C
	8135115025		SCREW CAP HI-LOW TAPPING M5X25	BEZEL & CRT FRAME
	8350113008		SCREW STEEL M/S BIND (+) W/SPR	VIDEO PCB & STUD X4
	8418114020		SCREW BID(+) TRI "P" M4X20	
	8504113006		SCREW BID(+) M3X6 MACH W/DISK	STUD & CHAS R X4,POWER SAVING X1
	8504113008		SCREW BIND(+) M3X8 MACH W/DISK	CONTROL BOX & UPPER BKT X4,MAIN PCB & CHAS BTM X6
	9005096001		DECO PLATE (5BNC)	
	C001139000	S	BRAID WIRE ASS'Y	FOR CRT BRAID WIRE
	C459632021	S	WIRE & CORE ASS'Y 420MM	
	C460670110		TILT RING WIRE ASS'Y 270mm	FOR CRT
	C488040091		CONN. 4P & WIRE ASS'Y	
	C488080064		CONN. 8P & WIRE ASS'Y W/CORE	FOR POWER SW PCB
	C710633010	S	I/O CABLE ASS'Y	
X4	3021114020		#NUT ZINC 1/4"-20	
X4	3111602016		WASHER FLAT M6X1.6	
X4	3211600000		#SPRING WASHER	

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ADDRESS	Item Number	Spare	Description	Comment
******	CT60025144-V	S	MAIN PCB ASS'Y	
	1005083030		STAND TO-220 -SF-	FOR IC201,301,Q304,315
	2013096000		NECK SHIELD	FOR SUB NECK
	2023094660		HEAT SINK	FOR IC202
	2046294000		HEAT SINK F	FOR IC201
	2046294000		HEAT SINK F	FOR Q317
	3052000300		EYELET	FOR DEF PCB & DAUGHTER PCB
	363200TR02		TR HOUSING TR-02	FOR Q317
	4141101009	S	#P.C.B MAIN 300X300	
	4490400207		CONN. 4P WAFER ROUND PIN	P305 (FOR YOKE)
	5322113200		WIRE 1007 #22 BRN 310-K-K	FOR VS-VS'
	5322181500		WIRE UL1007 #22 GRY 140-K-K	FOR N-N'
	5322214014		WIRE UL1015 #22 BRN 390-TERM	FOR HCS1
	5322234514		WIRE UL1015 #22 ORG 440-TERM 1	FOR 300V
	5322243814		WIRE UL1015 #22 YEL 370-TERM	FOR HCS2
	5324140500		WIRE UL1007 #24 YEL 40-K-K	FOR L-LCH3
	5324151700		WIRE 1007 #24 GRN 160-K-K	FOR R-R'
	5324161600		WIRE UL1007 #24 BLU 150-K-K	FOR FB'-P
	5324171500		WIRE UL1007 #24 VIO 140-K-K	FOR FB-Q
	5324190700		WIRE 1007 #24 WHT 65-K-K	FOR A-A'
	5324191800		WIRE 1007 #24 WHT 170-K-K	FOR DF-DF'
	5324221101		WIRE 1007 #24 RED 100-5-5	
	5541025095		CABLE TIE 2.5X90	FOR WIRE ASS'Y
	5560080003		CORE-FE 2643665802	CORE FOCUS PAKE WIRES
	7124471230	S	FOCUS PACK ASS'Y	
	8504113008		SCREW BIND(+) M3X8 MACH W/DISK	FOR IC202
	8504113010		SCREW BIND(+) M3X10 MACH W/DIS	FOR IC201
	C459632010		WIRE ASS'Y 350MM	
	C488020155		CONN. 2P & WIRE ASS'Y 550MM	FOR P405
	C488030172		CONN. 3P & WIRE ASS'Y	FOR P201 (H.V.SYNC)
	C488040074		CONN. 4P & WIRE ASS'Y	FOR P306
	C488040078		CONN. 4P & WIRE ASS'Y	
	C488060040		CONN. 6P & WIRE ASS'Y	FOR P307
C206	5116104111		CAP-MC 0.1UFK 100V -RT-	
C207	5116563150		CAP-MC 0.056UFK 50V -RT-	
C208	5113224550		CAP-MC 0.22UFJ 50V -SF-	
C209	5084104563		CAP-MPC 0.1UFJ 63V -SF-	
C210	5084104563		CAP-MPC 0.1UFJ 63V -SF-	
C211	5113154150		CAP-MC 0.15UFK 50V -SF-	
C212	515X471S16		CAP-ECX 470UFM 16V -SF-	
C213	5156222S16		CAP-EC6 2200UFM 16V -SF-	
C214	5156109T50		CAP-EC6 1UFM 50V -RT-	
C215	5134104452		CAP-SCF 0.1UFZ 50V -RT-	
C216	5156102S35		CAP-EC6 1000UFM 35V -SF-	
C217	5156229T50		CAP-EC6 2.2UFM 50V -RT-	
C218	5116103111		CAP-MC 0.01UFK 100V -RT-	
C219	5156470T35		CAP-EC6 47UFM 35V -RT-	
C220	515X221S35		CAP-ECX 220UFM 35V -SF-	
C221	5156101T10		CAP-EC6 100UFM 10V -RT-	
C222	5134104452		CAP-SCF 0.1UFZ 50V -RT-	
C224	5156339T50		CAP-EC6 3.3UFM 50V -RT-	
C225	5074103102		CAP-MEF 0.01UFK 250V -SF-	
C226	5156339T50		CAP-EC6 3.3UFM 50V -RT-	
C301	5116103111		CAP-MC 0.01UFK 100V -RT-	
C302	5116104111		CAP-MC 0.1UFK 100V -RT-	
C303	515X101T16		CAP-ECX 100UFM 16V -RT-	
C304	5156109T50		CAP-EC6 1UFM 50V -RT-	
C310	5101681132		CAP-CCB 680PFK 1KV -RT-	
C311	5101681132		CAP-CCB 680PFK 1KV -RT-	
C313	5195434543		CAP-PMA 0.43UFJ 400V -SF-	
C314	5190224543		CAP-MPP 0.22UFJ 400V P:22.5MM	
C315	5190155583		CAP-MPP 1.5UFJ 250V -SF-	
C316	5190684543		CAP-MPP 0.68UFJ 400V -SF-	
C318	5116104111		CAP-MC 0.1UFK 100V -RT-	
C320	5116104111		CAP-MC 0.1UFK 100V -RT-	
C321	515X101T50		CAP-ECX 100UFM 50V -RT-	
C323	5116104111		CAP-MC 0.1UFK 100V -RT-	
C324	5101471132		CAP-CCB 470PFK 1KV -RT-	
C325	5074475101		CAP-MEF 4.7UFK 100V -SF-	
C326	515X109T50		CAP-ECX 1UFM 50V -RT-	
C327	515X109T50		CAP-ECX 1UFM 50V -RT-	
C328	515X109T50		CAP-ECX 1UFM 50V -RT-	
C329	5134104452		CAP-SCF 0.1UFZ 50V -RT-	
C330	515X101T16		CAP-ECX 100UFM 16V -RT-	

C331	5156101T16		CAP-EC6 100UFM 16V -RT-
C332	5156221T16		CAP-EC6 220UFM 16V -RT-
C334	5074335102		CAP-MEF 3.3UFK 250V -SF-
C335	515F471S35		CAP-ECF 470UFM 35V -SF-
C336	515F471S35		CAP-ECF 470UFM 35V -SF-
C337	5156100S02		CAP-EC6 10UFM 160V -SF-
C338	5156100S03		CAP-EC6 10UFM 250V -SF-
C339	5156229T50		CAP-EC6 2.2UFM 50V -RT-
C340	5074104104		CAP-MEF 0.1UFK 400V -SF-
C341	5134104452		CAP-SCF 0.1UFZ 50V -RT-
C342	515X221S50		CAP-ECX 220UFM 50V SF-
C346	5101102132		CAP-CCB 1000PFK 1KV -RT-
C354	5074224102		CAP-MEF 0.22UFK 250V -SF-
C355	5156109T50		CAP-EC6 1UFM 50V -RT-
C358	5116103111		CAP-MC 0.01UFK 100V -RT-
C359	5116103111		CAP-MC 0.01UFK 100V -RT-
C360	515X229T50		CAP-ECX 2.2UFM 50V -RT-
C3A1	5116102111		CAP-MC 0.001UFK 100V -RT-
C3A2	5116222111		CAP-MC 0.0022UFK 100V -RT-
C3A4	5116103111		CAP-MC 0.01UFK 100V -RT-
D205	4120141480	S	DIODE 1N4148 (SI) -AT-
D206	4120141480	S	DIODE 1N4148 (SI) -AT-
D207	4120141480	S	DIODE 1N4148 (SI) -AT-
D208	4120141480	S	DIODE 1N4148 (SI) -AT-
D211	41205004A2	S	DIODE ZENER HZ4A2 -AT-
D212	4120104002	S	DIODE 1N4002 -AT-
D213	4120141480	S	DIODE 1N4148 (SI) -AT-
D214	4120500338	S	DIODE ZENER HZ3A3 -AT-
D215	4120141480	S	DIODE 1N4148 (SI) -AT-
D220	4120500561	S	DIODE ZENER RD5.1EB2 1/2W -AT-
D301	41205009C1	S	DIODE ZENER HZ9C1 -AT-
D308	413010010J	S	DIODE RGP10J-5390 1A 600V -AT-
D309	413010010J	S	DIODE RGP10J-5390 1A 600V -AT-
D310	4120141480	S	DIODE 1N4148 (SI) -AT-
D311	413010010D	S	DIODE RGP10D-5302 -AT- 1A
D312	41205004A2	S	DIODE ZENER HZ4A2 -AT-
D313	413020120C	S	DIODE EGP20C-5390 -AT-
D314	413020120C	S	DIODE EGP20C-5390 -AT-
D315	413010010J	S	DIODE RGP10J-5390 1A 600V -AT-
D316	413010010M	S	DIODE RGP10M-5311 -AT-
D317	4130100218	S	DIODE RGP02-18E-5300 -AT-
D318	4130100218	S	DIODE RGP02-18E-5300 -AT-
D321	4120500152	S	DIODE ZENER 14.5-15.1V -AT-
D322	4120500152	S	DIODE ZENER 14.5-15.1V -AT-
D325	4120500152	S	DIODE ZENER 14.5-15.1V -AT-
D326	4120500152	S	DIODE ZENER 14.5-15.1V -AT-
D327	4120141480	S	DIODE 1N4148 (SI) -AT-
D330	4120141480	S	DIODE 1N4148 (SI) -AT-
D331	4120141480	S	DIODE 1N4148 (SI) -AT-
D332	4120141480	S	DIODE 1N4148 (SI) -AT-
D333	412055279U	S	DIODE ZENER 1N5279BRL -AT-
D334	413010010J	S	DIODE RGP10J-5390 1A 600V -AT-
D335	4120141480	S	DIODE 1N4148 (SI) -AT-
D340	4120141480	S	DIODE 1N4148 (SI) -AT-
D341	413010010J	S	DIODE RGP10J-5390 1A 600V -AT-
D342	4120141480	S	DIODE 1N4148 (SI) -AT-
D343	4120141480	S	DIODE 1N4148 (SI) -AT-
D344	4120141480	S	DIODE 1N4148 (SI) -AT-
IC201	4159317001	S	IC LM317T W/MOUNTING KIT TO-22
IC202	41591675A0	S	IC TDA1675A 15PIN
IC203	4159358000	S	IC LMT358N 8PIN
IC204	4159358000	S	IC LMT358N 8PIN
L303	708S226330		COIL HOR LINEARITY
L304	4325101003		COIL CHOKE 100UH -SF-
L305	4325339003		COIL CHOKE 3.3MH -SF-
L306	4323600003		COIL CHOKE 60UH -SF-
L307	4323500003		COIL CHOKE 50UH -SF-
P202	C488110013		CONN. 11P & WIRE ASS'Y
P203	4490400260		CONN. 4PIN WAFER 2.0MM 173981-
P301	C488040056		CONN. 4P & WIRE ASS'Y
P302	C488052066		CONN. 5P & WIRE ASS'Y
P309	4490400207		CONN. 4P WAFER ROUND PIN
Q203	411030667A	S	TRS. 2SD667A TO-92M -RT-
Q204	411010647A	S	TRS. 2SB647A(C) -RT-
Q205	411030667A	S	TRS. 2SD667A TO-92M -RT-
Q206	411020945P	S	TRS. 2SC945P TO-92 -RT-
Q207	411010647A	S	TRS. 2SB647A(C) -RT-
Q301	4110226550	S	TRS. 2SC2655 TO-92M -RT-
Q304	4105906200	S	TRS. MOSFET IRF620 TO-220
Q305	4110007330	S	TRS. 2SA733 TO-92M -RT-

Q306	411020945P	S	TRS. 2SC945P TO-92 -RT-
Q309	411010647A	S	TRS. 2SB647A(C) -RT-
Q312	4116612030	S	TRS. RN1203 -RT-
Q315	4105906400	S	TRS. IRF640 TO-220
Q316	4116612030	S	TRS. RN1203 -RT-
Q317	4105906400	S	TRS. IRF640 TO-220
Q317	8504113008		SCREW BIND(+) M3X8 MACH W/DISK
Q318	410030669A	S	TRS. 2SD669A TO-126
Q319	411010647A	S	TRS. 2SB647A(C) -RT-
Q321	4116612030	S	TRS. RN1203 -RT-
Q322	4116612030	S	TRS. RN1203 -RT-
Q323	4116612030	S	TRS. RN1203 -RT-
Q324	4116610010	S	TRS. RN1001 -RT-
Q325	4116610010	S	TRS. RN1001 -RT-
Q326	4116610010	S	TRS. RN1001 -RT-
Q327	4110007330	S	TRS. 2SA733 TO-92M -RT-
Q328	4116612030	S	TRS. RN1203 -RT-
Q329	4100226880	S	TRS. 2SC2688 TO-126
Q330	4110013710	S	TRS. 2SA1371E TO-92
Q331	4103200127	S	TRS. TIP127 TO-220
Q332	4103200122	S	TRS. TIP 122
Q333	4110007330	S	TRS. 2SA733 TO-92M -RT-
Q336	4116612030	S	TRS. RN1203 -RT-
Q337	4116610010	S	TRS. RN1001 -RT-
R211	4050410155		RES-CF 1/4W J 100R -AT-
R212	4050410155		RES-CF 1/4W J 100R -AT-
R213	4050447255		RES-CF 1/4W J 4.7K -AT-
R214	4050447255		RES-CF 1/4W J 4.7K -AT-
R215	4050447255		RES-CF 1/4W J 4.7K -AT-
R216	4050447255		RES-CF 1/4W J 4.7K -AT-
R217	4050447255		RES-CF 1/4W J 4.7K -AT-
R218	4050447255		RES-CF 1/4W J 4.7K -AT-
R219	4256041003		RES-PR MF 1/4W F 100K -AT-
R220	4256047502		RES-PR MF 1/4W F 75K -AT-
R221	4256041001		RES-PR MF 1/4W F 1K -AT-
R222	4050410255		RES-CF 1/4W J 1K -AT-
R223	4256045622		RES-PR MF 1/4W F 56.2K -AT-
R224	4256041003		RES-PR MF 1/4W F 100K -AT-
R225	4256041002		RES-PR MF 1/4W F 10K -AT-
R226	4050410355		RES-CF 1/4W J 10K -AT-
R228	4050433155		RES-CF 1/4W J 330R -AT-
R229	4050447255		RES-CF 1/4W J 4.7K -AT-
R230	4050456255		RES-CF 1/4W J 5.6K -AT-
R231	4050433355		RES-CF 1/4W J 33K -AT-
R232	4050468355		RES-CF 1/4W J 68K -AT-
R234	4256043903		RES-PR MF 1/4W F 390K -AT-
R235	4256046802		RES-PR MF 1/4W F 68K -AT-
R236	4050433955		RES-CF 1/4W J 3.3R -AT-
R237	4050422255		RES-CF 1/4W J 2.2K -AT-
R238	4050418155		RES-CF 1/4W J 180R -AT-
R239	4050443255		RES-CF 1/4W J 4.3K -AT-
R240	4050233155		RES-CF 1/2W J 330R -AT-
R241	4171075853		RES-MOF 1W J 0.75R -SF-
R242	4172047853	S	RES-MOF 2W J 0.47R -SF-
R243	4050482255		RES-CF 1/4W J 8.2K -AT-
R244	4050410255		RES-CF 1/4W J 1K -AT-
R245	4050418255		RES-CF 1/4W J 1.8K -AT-
R246	4050418355		RES-CF 1/4W J 18K -AT-
R247	4172010153	S	RES-MOF 2W J 100R -SF-
R248	4050420255		RES-CF 1/4W J 2K -AT-
R249	4050410255		RES-CF 1/4W J 1K -AT-
R250	4050447255		RES-CF 1/4W J 4.7K -AT-
R251	4050410255		RES-CF 1/4W J 1K -AT-
R252	4050424255		RES-CF 1/4W J 2.4K -AT-
R253	4050422155		RES-CF 1/4W J 220R -AT-
R258	4256049530		RES-PR MF 1/4W F 953R -AT-
R259	4256042801		RES-PR MF 1/4W F 2.8K -AT-
R260	4050415255		RES-CF 1/4W J 1.5K -AT-
R266	4050415355		RES-CF 1/4W J 15K -AT-
R277	4050439355		RES-CF 1/4W J 39K -AT-
R278	4050418355		RES-CF 1/4W J 18K -AT-
R300	4070410555	S	RES-MF 1/4W J 1M -AT-
R301	4050456255		RES-CF 1/4W J 5.6K -AT-
R306	4050410255		RES-CF 1/4W J 1K -AT-
R307	4050410255		RES-CF 1/4W J 1K -AT-
R308	4050410255		RES-CF 1/4W J 1K -AT-
R309	4050468155		RES-CF 1/4W J 680R -AT-
R310	4050410355		RES-CF 1/4W J 10K -AT-
R311	4050422055		RES-CF 1/4W J 22R -AT-
R312	4256042201		RES-PR MF 1/4W F 2.2K -AT-

R313	4050420255		RES-CF 1/4W J 2K -AT-	
R315	4256041302		RES-PR MF 1/4W F 13K -AT-	
R320	4171033056		RES-MOF 1W J 33R -AT-	
R321	4050212155		RES-CF 1/2W J 120R -AT-	
R322	4177320353	S	RES-MOF 3W J 20K -SF- SMALL	
R323	4177320353	S	RES-MOF 3W J 20K -SF- SMALL	
R324	4171030156		RES-MOF 1W J 300R -AT-	
R325	4256041602		RES-PR MF 1/4W F 16K -AT-	
R326	4256041002		RES-PR MF 1/4W F 10K -AT-	
R327	4171033256		RES-MOF 1W J 3.3K -AT-	
R329	4172047356	S	RES-MOF 2W J 47K -AT-	
R331	4172047356	S	RES-MOF 2W J 47K -AT-	
R332	4050456455		RES-CF 1/4W J 560K -AT-	
R334	4050456455		RES-CF 1/4W J 560K -AT-	
R335	4177310153	S	RES-MOF 3W J 100R -SF- SMALL	
R336	4177310153	S	RES-MOF 3W J 100R -SF- SMALL	
R338	4172020153	S	RES-MOF 2W J 200R -SF-	
R342	4050447255		RES-CF 1/4W J 4.7K -AT-	
R343	4050247255		RES-CF 1/2W J 4.7KR -AT-	
R346	4256041002		RES-PR MF 1/4W F 10K -AT-	
R347	4256041302		RES-PR MF 1/4W F 13K -AT-	
R348	4256044301		RES-PR MF 1/4W F 4.3K -AT-	
R349	4052043353	S	RES-CF 2W J 43K -SF-	
R350	4050420255		RES-CF 1/4W J 2K -AT-	
R351	4256041742		RES-PR MF 1/4W F 17.4K -AT-	
R352	4256041362		RES-PR MF 1/4W F 13.6K -AT-	
R353	4256048251		RES-PR MF 1/4W F 8.25K -AT-	
R355	4050282155		RES-CF 1/2W J 820R -AT-	
R356	4050282155		RES-CF 1/2W J 820R -AT-	
R357	4050282155		RES-CF 1/2W J 820R -AT-	
R358	4050427355		RES-CF 1/4W J 27K -AT-	
R359	4050436355		RES-CF 1/4W J 36K -AT-	
R360	4050451255		RES-CF 1/4W J 5.1K -AT-	
R361	4050430255		RES-CF 1/4W J 3K -AT-	
R363	4050420355		RES-CF 1/4W J 20K -AT-	
R364	4050424355		RES-CF 1/4W J 24K -AT-	
R365	4050415355		RES-CF 1/4W J 15K -AT-	
R366	4050413355		RES-CF 1/4W J 13K -AT-	
R367	4050422555	S	RES-CF 1/4W J 2.2M -AT-	
R368	4050491355		RES-CF 1/4W J 91K -AT-	
R369	4050468255		RES-CF 1/4W J 6.8K -AT-	
R370	4050422455		RES-CF 1/4W J 220K -AT-	
R371	4050422255		RES-CF 1/4W J 2.2K -AT-	
R373	4177312153	S	RES-MOF 3W J 120R -SF- SMALL	
R374	4050410255		RES-CF 1/4W J 1K -AT-	
R381	4050439355		RES-CF 1/4W J 39K -AT-	
R382	4050422555	S	RES-CF 1/4W J 2.2M -AT-	
R391	4177312153	S	RES-MOF 3W J 120R -SF- SMALL	
R392	4050415455		RES-CF 1/4W J 150K -AT-	
R393	4050433455		RES-CF 1/4W J 330K -AT-	
R394	4050410555	S	RES-CF 1/4W J 1M -AT-	
R395	4050418455		RES-CF 1/4W J 180K -AT-	
R396	4050410155		RES-CF 1/4W J 100R -AT-	
R397	4050282155		RES-CF 1/2W J 820R -AT-	
R3A1	4050447255		RES-CF 1/4W J 4.7K -AT-	
R3A2	4050418255		RES-CF 1/4W J 1.8K -AT-	
R3A3	4050410355		RES-CF 1/4W J 10K -AT-	
R3A4	4050410355		RES-CF 1/4W J 10K -AT-	
R3A5	4050451355		RES-CF 1/4W J 51K -AT-	
R3A6	4050439255		RES-CF 1/4W J 3.9K -AT-	
R3A8	4077B33955		RES-MF 1/2W J 3.3R SMALL -AT-	
R3A9	4177133956		RES-MOF 1W J 3.3R SMALL -AT-	
R3B2	4050410555	S	RES-CF 1/4W J 1M -AT-	
RL102	4420412002		RELAY 12V	
T302	7050306340	S	F.B.T	
T303	7050904660		O/P TRANSFORMER	
VR201	5228150310		POT(CARBON) 0.1W 50K 6¢ LAY-DO	
VR303	5225110310		POT(CERMET) 0.3W 10K 6¢ LAY-DO	
VR304	5221110400		POT(CERMET) 0.3W 100K 6¢ STAND	
VR305	5221125450		POT(CERMET) 0.5W 250K 8¢ STAND	
VR306	5225110310		POT(CERMET) 0.3W 10K 6¢ LAY-DO	
******	AM6000034A-R	S	SPS PCB ASS'Y	
	2003097301		HEAT SINK	FOR Q1
	2007094660		HEAT SINK	FOR D30
	2007891030		HEAT SINK	FOR IC6
	2043394330		HEAT SINK	FOR Q401,421,441
	2046294000		HEAT SINK F	FOR Q7
	3011100020		NUT ISO HEX M2 ZINC	FOR Q401,421,441
	3011100030		NUT ISO HEX M3 Z1NC	FOR Q11
	3692100601		NYLON BUSHING 3¢ 601	FOR Q401,421,441

	4420512006		@RELAY DC12V OMI-SH-112L	
	5318202114		WIRE UL1015 #18 BLK 200-TERM 1	C20(-) & R6 GND
	5510135280		TUBE SI-RUBBER 13.5¢X28MM	FOR Q1
	5520542001		INSULATOR CERAMIC TO-126	FOR Q401,421,441
	8128142608		SCREW B/H W/CAP "B" 2.6X8 TITE	FOR Q1
	8162122012		SCREW PAN(+)/HD W/FLAT WASHER	FOR Q401,421,441
	8504113008		SCREW BIND(+) M3X8 MACH W/DISK	FOR DB1
	8504113008		SCREW BIND(+) M3X8 MACH W/DISK	FOR IC6
	8504113008		SCREW BIND(+) M3X8 MACH W/DISK	FOR Q7
	8504113010		SCREW BIND(+) M3X10 MACH W/DIS	FOR Q11
	8504113012		SCREW BIND(+) M3X12 MACH W/DIS	FOR D21
	C488080023		CONN. 8P & WIRE ASS'Y	FOR SK901
C1	5065105425		CAP-MPR 1UFM 250V -SF-	
C10	5101121152		CAP-CCB 120PFK 50V -RT-	
C11	5074104101		CAP-MEF 0.1UFK 100V -SF-	
C12	515X470T10		CAP-ECX 47UFM 10V -RT-	
C13	5074472505		CAP-MEF 0.0047UFJ 50V -SF-	
C14	5101121152		CAP-CCB 120PFK 50V -RT-	
C15	5116472111		CAP-MC 0.0047UFK 100V -RT-	
C16	515X101T10		CAP-ECX 100UFM 10V -RT-	
C17	5101102152		CAP-CCB 1000PFK 50V -RT-	
C18	5156479T50		CAP-EC6 4.7UFM 50V -RT-	
C19	515X100T50		CAP-ECX 10UFM 50V -RT-	
C2	5065474428		@CAP-MPR 0.47UFM 275V -SF-	
C20	515X100T01		CAP-ECX 10UFM 100V -RT-	
C21	515X220T25		CAP-ECX 22UFM 25V -RT-	
C22	5074104104		CAP-MEF 0.1UFK 400V -SF-	
C3	515X339T50		CAP-ECX 3.3UFM 50V -RT-	
C30	515A470S02		CAP-EC +-20% 47UF/160V -SF-	
C31	515F331S01		CAP-ECF 330UFM 100V -SF-	
C32	515X331S50		CAP-ECX 330UFM 50V -SF-	
C33	515F471S25		CAP-ECF 470UFM 25V -SF-	
C34	515F471S25		CAP-ECF 470UFM 25V -SF-	
C37	5134104452		CAP-SCF 0.1UFZ 50V -RT-	
C38	5101102132		CAP-CCB 1000PFK 1KV -RT-	
C43	5092103565		CAP-PP 0.01UFJ 630V -SF-	
C45	515X100T25		CAP-ECX 10UFM 25V -RT-	
C46	5116392111		CAP-MC 0.0039UFK 100V -RT-	
C47	515X221S07		CAP-ECX 220UFM 200V -SF-	
C48	5074224101		CAP-MEF 0.22UFK 100V -SF-	
C49	5074224101		CAP-MEF 0.22UFK 100V -SF-	
C5	5061103440		CAP-CCS 0.01UFM 400V -SF-	
C50	5101331152		CAP-CCB 330PFK 50V -RT-	
C51	5101681152		CAP-CCB 680PFK 50V -RT-	
C53	515X339T50		CAP-ECX 3.3UFM 50V -RT-	
C6	5061103440		CAP-CCS 0.01UFM 400V -SF-	
C7	515L331S04		CAP-ECL 330UFM 400V -SF-	
C8	515X471S35		CAP-ECX 470UFM 35V -SF-	
C9	5101471193		CAP-CCB 470PFK 3KV -SF-	
C91	515F101S01		CAP-ECF 100UFM 100V -SF-	
D1	413010426D	S	DIODE 1A/800V BYV26D	
D11	4120146060	S	DIODE 1N4606 (SI) -AT-	
D12	4120146060	S	DIODE 1N4606 (SI) -AT-	
D13	4120146060	S	DIODE 1N4606 (SI) -AT-	
D15	413010001B	S	DIODE FE1B-5390 1A 100V -AT-	
D16	4120146060	S	DIODE 1N4606 (SI) -AT-	
D17	4120146060	S	DIODE 1N4606 (SI) -AT-	
D19	4120146060	S	DIODE 1N4606 (SI) -AT-	
D2	4130101102	S	DIODE 11DF2 -AT-	
D20	41303031F4	S	DIODE 3A/400V 35NS 31DF4 -AT-	
D21	2001291780		HEAT SINK	
D21	3011100030		NUT ISO HEX M3 ZINC	
D21	4130606400	S	DIODE F6P40F TO-220	
D22	41303031F2	S	DIODE 3A/200V 31DF2	
D23	41303031F2	S	DIODE 3A/200V 31DF2	
D24	4130304311	S	DIODE 31DF1 -AT-	
D25	413010426C	S	DIODE BYV26C KINK FORMING -AT-	
D28	413010426D	S	DIODE 1A/800V BYV26D	
D29	4120104001	S	DIODE 1N4001 -AT-	
D3	4130101102	S	DIODE 11DF2 -AT-	
D30	41303031F4	S	DIODE 3A/400V 35NS 31DF4 -AT-	
D31	4120146060	S	DIODE 1N4606 (SI) -AT-	
D34	4130101102	S	DIODE 11DF2 -AT-	
D4	4120104001	S	DIODE 1N4001 -AT-	
D5	4120146060	S	DIODE 1N4606 (SI) -AT-	
D6	4120146060	S	DIODE 1N4606 (SI) -AT-	
D7	4120146060	S	DIODE 1N4606 (SI) -AT-	
D8	4120146060	S	DIODE 1N4606 (SI) -AT-	
D9	4120146060	S	DIODE 1N4606 (SI) -AT-	
DB1	2013094660		HEAT SINK	

DB1	4130600606	S	DIODE RBV-606 6A/600V
F1	4692300001	S	CLIP-FUSE 5MM
F1	5268400052	S	FUSE 4A/250VAC
IC1	4159384200	S	IC UC3842A 8PIN
IC3	415943100A	S	IC TL431 REGULATOR TO-92 -RT-
IC4	4159523800	S	IC M5238AP
IC6	3011100030		NUT ISO HEX M3 Z1NC
IC6	4159317001	S	IC LM317T W/MOUNTING KIT TO-22
L1	4320361103		COIL CHOKE 360uH (50TS) -SF-
L2	4322209046		FERRITE BEAD 2UH -AT-
L3	4321150006		COIL PEAKING 15UH -AT-
PH1	4159435002		POTO COUPLER X'STER 4N35 W=10
PTCR1	7021134091		PTCR PTH451C262BF140M270
Q1	2004191630		HEAT SINK HOLDER
Q1	4101517230	S	TRS. MOSFET 2SK 1723 TO-3P
Q1	8283113015		SCREW BIND(+) M3X15 MACH W/SPR
Q11	2001291780		HEAT SINK
Q11	4101509470	S	TRS. MOSFET 2SK947 TO-220
Q15	410584551A	S	TRS. MOSFET BUK455-100A TO-22
Q17	4114422220	S	TRS. PH2222 TO-92 -RT-
Q18	411442907A	S	TRS. PH2907A TO-92 -RT-
Q19	4114510080	S	TRS. SCR MCR100-8 TO-92 -RT-
Q2	410030669A	S	TRS. 2SD669A TO-126
Q20	411022120Y	S	TRS. 2SC2120Y TO-92 -RT-
Q3	4110105610	S	TRS. 2SB561 TO-92 -RT-
Q4	4114501006	S	TRS. MCR100-6 TO-92 -RT-
Q401	41061262A0	S	TRS. BFQ262A TO-126
Q421	41061262A0	S	TRS. BFQ262A TO-126
Q441	41061262A0	S	TRS. BFQ262A TO-126
Q5	411022120Y	S	TRS. 2SC2120Y TO-92 -RT-
Q6	4110105610	S	TRS. 2SB561 TO-92 -RT-
Q7	1005083030		STAND TO-220 -SF-
Q7	4102361600	S	TRS. TYN616 TO-220AB
R1	4050247455		RES-CF 1/2W J 470K -AT-
R10	4050420255		RES-CF 1/4W J 2K -AT-
R11	4050451055		RES-CF 1/4W J 51R -AT-
R12	4050462955		RES-CF 1/4W J 6.2R -AT-
R13	4050427255		RES-CF 1/4W J 2.7K -AT-
R14	4160447555		RES-MG 1/4W J 4.7M -AT-
R15	4050420355		RES-CF 1/4W J 20K -AT-
R16	4256041002		RES-PR MF 1/4W F 10K -AT-
R17	4050415455		RES-CF 1/4W J 150K -AT-
R18	4050451255		RES-CF 1/4W J 5.1K -AT-
R19	4050451255		RES-CF 1/4W J 5.1K -AT-
R2	4097015051	S	RES-WW 7W J 15R SQM-SF
R20	4050410255		RES-CF 1/4W J 1K -AT-
R21	4050410155		RES-CF 1/4W J 100R -AT-
R23	4050420155		RES-CF 1/4W J 200R -AT-
R24	4050412155		RES-CF 1/4W J 120R -AT-
R25	4050410155		RES-CF 1/4W J 100R -AT-
R26	4050415355		RES-CF 1/4W J 15K -AT-
R27	4050410355		RES-CF 1/4W J 10K -AT-
R28	4050482255		RES-CF 1/4W J 8.2K -AT-
R29	4050415355		RES-CF 1/4W J 15K -AT-
R3	4071022855		RES-MF 1W J 0.22R -AT-
R30	4050430255		RES-CF 1/4W J 3K -AT-
R31	4050410355		RES-CF 1/4W J 10K -AT-
R32	4050451255		RES-CF 1/4W J 5.1K -AT-
R33	4050420255		RES-CF 1/4W J 2K -AT-
R34	4050430255		RES-CF 1/4W J 3K -AT-
R35	4050410155		RES-CF 1/4W J 100R -AT-
R36	4050410455		RES-CF 1/4W J 100K -AT-
R37	4050410155		RES-CF 1/4W J 100R -AT-
R38	4050410155		RES-CF 1/4W J 100R -AT-
R39	4050113455		RES-CF 1/2W J 130K SMALL -AT-
R4	4051047455		RES-CF 1W J 470K -AT-
R40	4050113455		RES-CF 1/2W J 130K SMALL -AT-
R41	4050475155		RES-CF 1/4W J 750R -AT-
R43	409502735B	S	RES-WW 5W J 27K SQY
R44	4095030251	S	RES-WW 5W J 3K
R45	4050424355		RES-CF 1/4W J 24K -AT-
R46	4050415355		RES-CF 1/4W J 15K -AT-
R47	4050447055		RES-CF 1/4W J 47R -AT-
R48	4050410255		RES-CF 1/4W J 1K -AT-
R49	4050462155		RES-CF 1/4W J 620R -AT-
R5	409502215B	S	RES-WW 5W J 220R SQY
R56	4071022855		RES-MF 1W J 0.22R -AT-
R57	4050410255		RES-CF 1/4W J 1K -AT-
R6	4072033853	S	RES-MF 2W J 0.33R -SF-
R62	4050430355		RES-CF 1/4W J 30K -AT-

R65	4050410555	S	RES-CF 1/4W J 1M -AT-	
R66	4050410255		RES-CF 1/4W J 1K -AT-	
R67	4050447255		RES-CF 1/4W J 4.7K -AT-	
R68	4050422255		RES-CF 1/4W J 2.2K -AT-	
R69	4050430255		RES-CF 1/4W J 3K -AT-	
R7	4097010351	S	RES-WW 7W J 10K SQM-SF	
R70	4050410255		RES-CF 1/4W J 1K -AT-	
R71	4050430255		RES-CF 1/4W J 3K -AT-	
R72	4256041913		RES-PR MF 1/4W F 191K -AT-	
R73	4256044322		RES-PR MF 1/4W F 43.2K -AT-	
R74	4256043301		RES-PR MF 1/4W F 3.3K -AT-	
R75	4050447355		RES-CF 1/4W J 47K -AT-	
R76	4050424355		RES-CF 1/4W J 24K -AT-	
R77	4050447155		RES-CF 1/4W J 470R -AT-	
R78	4050410255		RES-CF 1/4W J 1K -AT-	
R79	4050420155		RES-CF 1/4W J 200R -AT-	
R8	4050430055		RES-CF 1/4W J 30R -AT-	
R81	4171010056		RES-MOF 1W J 10R -AT-	
R82	4050482455		RES-CF 1/4W J 820K -AT-	
R84	4050433455		RES-CF 1/4W J 330K -AT-	
R85	4050410355		RES-CF 1/4W J 10K -AT-	
R86	4256049091		RES-PR MF 1/4W F 9.09K -AT-	
R87	4171013956		RES-MOF 1W J 1.3R -AT-	
R9	4050418055		RES-CF 1/4W J 18R -AT-	
R92	4050439355		RES-CF 1/4W J 39K -AT-	
R94	4256041101		RES-PR MF 1/4W F 1.1K -AT-	
R95	4050436355		RES-CF 1/4W J 36K -AT-	
R96	4050430255		RES-CF 1/4W J 3K -AT-	
R97	4050410555	S	RES-CF 1/4W J 1M -AT-	
SK1	4490300190		CONN. 3.96 3P W/O PIN 2 -SF-	
SK3	4490200207		CONN. 2P WAFER ROUND PIN 10MM	
T1	7066000193		CHOKE COMMON MODE AM6000	
T2	7050106700		POWER TRANSFORMER	
VR1	5225150210		POT(CERMET) 0.3W 5K 6¢ LAY-DOW	
Z1	4120500162	S	DIODE ZENER 16V HZ-16-2 -AT-	
Z2	4120501802	S	DIODE ZENER HZ18-2 V -AT-	
Z3	4120501802	S	DIODE ZENER HZ18-2 V -AT-	
Z4	412055279U	S	DIODE ZENER 1N5279BRL -AT-	
Z5	4120500162	S	DIODE ZENER 16V HZ-16-2 -AT-	
Z6	4120500563	S	DIODE ZENER RD5.6EB1 -AT-	
******	SS60000730-404	S	LOGIC PCB ASS'Y	
	4141101504		P.C.B. DMC1000	
	4159600013		FIRMWARE 6000G13	
	4490200130		CONN. 2P WAFER 2.5MM	P812
	4490400130		CONN. 4P WAFER (BXB-XH-A) P221	P813
C801	5176229L16		CAP-TC 2.2UFK 16V CHIP 3528	
C803	7147104456		CAP-CC +80%-20% 0.1UF/50V CHIP	
C804	7145333156		CAP-X7R 0.033UFK 50V CHIP 1206	
C805	7147104456		CAP-CC +80%-20% 0.1UF/50V CHIP	
C806	7147104456		CAP-CC +80%-20% 0.1UF/50V CHIP	
C807	7147104456		CAP-CC +80%-20% 0.1UF/50V CHIP	
C808	7185101116		CAP-CC +-10% 100PF/100 CHIP	
C809	7145102456		CAP-X7R 0.001UFZ 50V CHIP 1206	
C813	7185101116		CAP-CC +-10% 100PF/100 CHIP	
C814	7185101116		CAP-CC +-10% 100PF/100 CHIP	
C815	5156470T16		CAP-EC6 47UFM 16V -RT-	
C816	5156101T10		CAP-EC6 100UFM 10V -RT-	
C819	5121101552		CAP-CCCH 100PFJ 50V -RT-	
C850	7147104456		CAP-CC +80%-20% 0.1UF/50V CHIP	
C851	7147104456		CAP-CC +80%-20% 0.1UF/50V CHIP	
CNP801	4491400220		CONN. 14P 52044-1410	
D810	412014148T		DIODE 1N4148 (BAS32L) MLF SMD	
D811	412014148T		DIODE 1N4148 (BAS32L) MLF SMD	
D812	412014148T		DIODE 1N4148 (BAS32L) MLF SMD	
D813	412014148T		DIODE 1N4148 (BAS32L) MLF SMD	
D814	412014148T		DIODE 1N4148 (BAS32L) MLF SMD	
IC801	4159100002		IC DMC1000 PLCC REV:H	
IC802	415924L16T		IC 24LC16BSN (SOIC) 8PIN	
IC803	4159241640		IC X24164 (SOIC) 8PIN	
IC810	415574574T		IC 74HC574 SMD CHIP 20PIN	
IC811	4159358000		IC LMT358N 8PIN	
L801	4050400055		RES-CF 1/4W J 0R -AT-	
L803	4321109006		COIL PEAKING 1UH -AT-	
P804	4490200291		CONN. 2P BASE 2.5MM (87156)	
Q853	411030667C		TRS. 2SD667C TO-92M -RT-	
Q854	411010647C		TRS. 2SB647C TO-92M -RT-	
R801	4010120352		RES-CHIP 1/10W J 20K 0805	
R802	4010120352		RES-CHIP 1/10W J 20K 0805	
R803	4010120352		RES-CHIP 1/10W J 20K 0805	
R804	4010120352		RES-CHIP 1/10W J 20K 0805	

R805	4010120352		RES-CHIP 1/10W J 20K 0805	
R806	4010120352		RES-CHIP 1/10W J 20K 0805	
R807	4010120352		RES-CHIP 1/10W J 20K 0805	
R808	4010120352		RES-CHIP 1/10W J 20K 0805	
R809	4010147252		RES-CHIP 1/10W J 4.7K 0805	
R810	4010147252		RES-CHIP 1/10W J 4.7K 0805	
R811	4010147252		RES-CHIP 1/10W J 4.7K 0805	
R812	4010147252		RES-CHIP 1/10W J 4.7K 0805	
R813	4010147252		RES-CHIP 1/10W J 4.7K 0805	
R814	4010147252		RES-CHIP 1/10W J 4.7K 0805	
R815	4010147252		RES-CHIP 1/10W J 4.7K 0805	
R816	4010147252		RES-CHIP 1/10W J 4.7K 0805	
R820	4010139252		RES-CHIP 1/10W J 3.9K 0805	
R821	4050400055		RES-CF 1/4W J OR -AT-	
R822	4010110152		RES-CHIP 1/10W J 100R 0805	
R824	4010124252		RES-CHIP 1/10W J 2.4K 0805	
R826	419A110022		RES-CHIP 1/10W F 10K 0805 -AT-	
R827	4010147452		RES-CHIP 1/10W J 470K 0805	
R830	4010127252		RES-CHIP 1/10W J 2.7K 0805	
R831	4010139252		RES-CHIP 1/10W J 3.9K 0805	
R840	4010120252		RES-CHIP 1/10W J 2K 0805	
R841	419A140222		RES-CHIP 1/10W F 40.2K 0805 -A	
R842	419A120022		RES-CHIP 1/10W F 20K 0805 -AT-	
R843	419A110022		RES-CHIP 1/10W F 10K 0805 -AT-	
R844	419A149912		RES-CHIP 1/10W F 4.99K 0805 -A	
R845	419A124912		RES-CHIP 1/10W F 2.49K 0805 -A	
R850	419A110022		RES-CHIP 1/10W F 10K 0805 -AT-	
R851	419A110022		RES-CHIP 1/10W F 10K 0805 -AT-	
R852	4010110252		RES-CHIP 1/10W J 1K 0805	
R853	4010122952		RES-CHIP 1/10W J 2.2R 0805	
R854	4010122952		RES-CHIP 1/10W J 2.2R 0805	
R855	4050410955		RES-CF 1/4W J 1R -AT-	
RC801	7154000000		CRYSTAL 4.00MHZ	
******	AM6000044A-R	S	DC-DC DAUGHTER PCB ASS'Y	
	4141094501	S	P.C.B. DC-DC CONVERTER	
	5290005000		TUBE-SHRINK ID=5¢	FOR C36,39
C35	5101681152		CAP-CCB 680PFK 50V -RT-	
C36	515X100T50		CAP-ECX 10UFM 50V -RT-	
C39	515X100T50		CAP-ECX 10UFM 50V -RT-	
C40	5116222111		CAP-MC 0.0022UFK 100V -RT-	
C41	5113224550		CAP-MC 0.22UFJ 50V -SF-	
C42	5116682111		CAP-MC 6800PFK 100V -RT-	
C44	5116102111		CAP-MC 0.001UFK 100V -RT-	
C52	5101102152		CAP-CCB 1000PFK 50V -RT-	
C90	5156101T16		CAP-EC6 100UFM 16V -RT-	
D26	4120146060	S	DIODE 1N4606 (SI) -AT-	
IC2	4159393000	S	IC LM 393 14PIN	
IC5	415978L05A	S	IC MC78L05ACZ 3PIN	
Q12	4110105610	S	TRS. 2SB561 TO-92 -RT-	
Q13	4110105610	S	TRS. 2SB561 TO-92 -RT-	
Q14	4110007330	S	TRS. 2SA733 TO-92M -RT-	
Q16	4110219210	S	TRS. 2SC1921 TO-92M -RT-	
Q8	411020945P	S	TRS. KSC945CG TO-92 -RT-	
Q9	411022120Y	S	TRS. 2SC2120Y TO-92 -RT-	
R50	4050447355		RES-CF 1/4W J 47K -AT-	
R51	4050436255		RES-CF 1/4W J 3.6K -AT-	
R52	4050413355		RES-CF 1/4W J 13K -AT-	
R53	4050462155		RES-CF 1/4W J 620R -AT-	
R54	4050430055		RES-CF 1/4W J 30R -AT-	
R55	4050430255		RES-CF 1/4W J 3K -AT-	
R58	4050410355		RES-CF 1/4W J 10K -AT-	
R59	4050415055		RES-CF 1/4W J 15R -AT-	
R60	4050410355		RES-CF 1/4W J 10K -AT-	
R61	4050415055		RES-CF 1/4W J 15R -AT-	
R63	4050447255		RES-CF 1/4W J 4.7K -AT-	
R64	4050415155		RES-CF 1/4W J 150R -AT-	
R88	4050410255		RES-CF 1/4W J 1K -AT-	
R89	4050422255		RES-CF 1/4W J 2.2K -AT-	
R90	4050447255		RES-CF 1/4W J 4.7K -AT-	
R91	4050410355		RES-CF 1/4W J 10K -AT-	
R93	4050430355		RES-CF 1/4W J 30K -AT-	
SK5	4491500203		CONN. 15P HB02151 R/A	
******	AM6000094A-R	S	H-PRO DAUGHTER PCB ASS'Y	
	4141103100	S	P.C.B DELAY 26X27	
	4490500203		CONN. 5P R/A WAFER HB02051	
C352	5156101T16		CAP-EC6 100UFM 16V -RT-	
D338	4120141480	S	DIODE 1N4148 (SI) -AT-	
D339	4120141480	S	DIODE 1N4148 (SI) -AT-	
D346	41205009C1	S	DIODE ZENER HZ9C1 -AT-	
D347	4120141480	S	DIODE 1N4148 (SI) -AT-	

Q335	411020945P	S	TRS. 2SC945P TO-92 -RT-	
R379	4050422255		RES-CF 1/4W J 2.2K -AT-	
R387	4050447255		RES-CF 1/4W J 4.7K -AT-	
R388	4050415155		RES-CF 1/4W J 150R -AT-	
******	AM6000064A-R	S	TRS. PCB ASS'Y	
	3052000300		EYELET	
	5290025000		TUBE-SHRINK ID=25¢	FOR C307
C305	5113224150		CAP-MC 0.22UFK 50V -SF-	
C306	5116103111		CAP-MC 0.01UFK 100V -RT-	
C307	5195822573		CAP-PMHA 8200PFJ 1.6KV -SF-	
C308	5190333553		CAP-MPP 0.033UFJ 1500V -SF-	
C309	51905625A3		CAP-MPP 0.0056UFJ 2KV -SF-	
C317	5116103111		CAP-MC 0.01UFK 100V -RT-	
D302	413020120A	S	DIODE EGP-20A -AT-	
D307	413010010J	S	DIODE RGP10J-5390 1A 600V -AT-	
D319	4120500152	S	DIODE ZENER 14.5-15.1V -AT-	
D320	4120500152	S	DIODE ZENER 14.5-15.1V -AT-	
L302	4323529103		COIL CHOKE 5.2UH FORMING	
P307	4490600034		CONN. 6P 5273-06 OR 3060-06	
R314	4172024153	S	RES-MOF 2W J 240R -SF-	
R316	4177310953	S	RES-MOF 3W J 1R -SF- SMALL	
R318	4050447055		RES-CF 1/4W J 47R -AT-	
R319	4177322953	S	RES-MOF 3W J 2.2R -SF- SMALL	
R328	4172047356	S	RES-MOF 2W J 47K -AT-	
R390	4177322953	S	RES-MOF 3W J 2.2R -SF- SMALL	
R3B1	4050412155		RES-CF 1/4W J 120R -AT-	
T301	7050206330		DRIVER TRANSFORMER	

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ADDRESS	Item Number	Spare	Description	Comment
******	AM6000024A-R	S	NECK PCB ASS'Y	
	2014096330		VIDEO SHIELD	
	2022294660		VIDEO COVER	
	4141090705	S	#P.C.B. NECK THROUGHT HOLE	
	4141093504	S	P.C.B. DAUGHTER (57.1X50.2)	
	5324150700		WIRE 1007 #24 GRN 60-K-K	FOR SMT TO NECK
	C488020156		CONN. 2P & WIRE ASS'Y W/CORE	FOR R.G.B
C405	5134104452		CAP-SCF 0.1UFZ 50V -RT-	
C407	5074224102		CAP-MEF 0.22UFK 250V -SF-	
C408	5171476T16		CAP-TC 47UFM 16V -RT-	
C409	5128221552		CAP-CCSL 220PFJ 50V -RT-	
C425	5134104452		CAP-SCF 0.1UFZ 50V -RT-	
C426	5128390552		CAP-CCSL 39PFJ 50V -RT-	
C427	5074224102		CAP-MEF 0.22UFK 250V -SF-	
C428	515X470T16		CAP-ECX 47UFM 16V -RT-	
C429	5128221552		CAP-CCSL 220PFJ 50V -RT-	
C445	5134104452		CAP-SCF 0.1UFZ 50V -RT-	
C446	5128820552		CAP-CCSL 82PFJ 50V -RT-	
C447	5074224102		CAP-MEF 0.22UFK 250V -SF-	
C448	5171476T16		CAP-TC 47UFM 16V -RT-	
C449	5074104101		CAP-MEF 0.1UFK 100V -SF-	
C466	5134104452		CAP-SCF 0.1UFZ 50V -RT-	
C476	515M470S01		CAP-ECM 47UFM 100V 10X20 -SF-	
C477	515X470S01		CAP-ECX 47UFM 100V -SF-	
C479	5128121552		CAP-CCSL 120PFJ 50V -RT-	
C480	5074104101		CAP-MEF 0.1UFK 100V -SF-	
C481	5074104101		CAP-MEF 0.1UFK 100V -SF-	
C482	5171476T16		CAP-TC 47UFM 16V -RT-	
C483	515X470T25		CAP-ECX 47UFM 25V -RT-	
C484	5128331552		CAP-CCSL 330PFJ 50V -RT-	
C485	5128101552		CAP-CCSL 100PFJ 50V -RT-	
C487	5128101552		CAP-CCSL 100PFJ 50V -RT-	
C490	515E221T16		CAP-ECE 220UFM 16V 10X12.5 -RT	
C491	5156470T16		CAP-EC6 47UFM 16V -RT-	
C492	5116103111		CAP-MC 0.01UFK 100V -RT-	
CA1	5171106L16		CAP-TC 10UFK 16V RT PITCH:5MM	
CA2	5171105L35		CAP-TC 1UFK 35V RT PITCH:5MM	
CA3	7147104456		CAP-CC +80%-20% 0.1UF/50V CHIP	
CB1	5171106L16		CAP-TC 10UFK 16V RT PITCH:5MM	
CB2	5171105L35		CAP-TC 1UFK 35V RT PITCH:5MM	
CB3	7147104456		CAP-CC +80%-20% 0.1UF/50V CHIP	
CC1	5171106L16		CAP-TC 10UFK 16V RT PITCH:5MM	
CC2	5171105L35		CAP-TC 1UFK 35V RT PITCH:5MM	
CC3	7147104456		CAP-CC +80%-20% 0.1UF/50V CHIP	
CC4	7147104456		CAP-CC +80%-20% 0.1UF/50V CHIP	
CD1	5156100T50		CAP-EC6 10UFM 50V -RT-	
CD2	7147104456		CAP-CC +80%-20% 0.1UF/50V CHIP	
CD3	5156100T50		CAP-EC6 10UFM 50V -RT-	
CD4	7147104456		CAP-CC +80%-20% 0.1UF/50V CHIP	
CD5	7147104456		CAP-CC +80%-20% 0.1UF/50V CHIP	
CD7	7147104456		CAP-CC +80%-20% 0.1UF/50V CHIP	
CD8	7146223456		CAP-Y5V 0.022UFZ 50V CHIP 0805	
CD9	5156470T16		CAP-EC6 47UFM 16V -RT-	
CE1	7147104456		CAP-CC +80%-20% 0.1UF/50V CHIP	
CE2	7147104456		CAP-CC +80%-20% 0.1UF/50V CHIP	
CE3	7147104456		CAP-CC +80%-20% 0.1UF/50V CHIP	
CE4	7147104456		CAP-CC +80%-20% 0.1UF/50V CHIP	
CE5	5156100T50		CAP-EC6 10UFM 50V -RT-	
D403	4120141480	S	DIODE 1N4148 (SI) -AT-	
D404	4120141480	S	DIODE 1N4148 (SI) -AT-	
D405	4120141480	S	DIODE 1N4148 (SI) -AT-	
D406	4120141480	S	DIODE 1N4148 (SI) -AT-	
D408	4120141480	S	DIODE 1N4148 (SI) -AT-	
D409	4120141480	S	DIODE 1N4148 (SI) -AT-	
D423	4120141480	S	DIODE 1N4148 (SI) -AT-	
D424	4120141480	S	DIODE 1N4148 (SI) -AT-	
D425	4120141480	S	DIODE 1N4148 (SI) -AT-	
D426	4120141480	S	DIODE 1N4148 (SI) -AT-	
D428	4120141480	S	DIODE 1N4148 (SI) -AT-	
D429	4120141480	S	DIODE 1N4148 (SI) -AT-	
D443	4120141480	S	DIODE 1N4148 (SI) -AT-	
D444	4120141480	S	DIODE 1N4148 (SI) -AT-	
D445	4120141480	S	DIODE 1N4148 (SI) -AT-	
D446	4120141480	S	DIODE 1N4148 (SI) -AT-	

D448	4120141480	S	DIODE 1N4148 (SI) -AT-
D449	4120141480	S	DIODE 1N4148 (SI) -AT-
D462	4120141480	S	DIODE 1N4148 (SI) -AT-
D463	4120500561	S	DIODE ZENER RD5.1EB2 1/2W -AT-
D464	4120141480	S	DIODE 1N4148 (SI) -AT-
DA1	412014148T	S	DIODE 1N4148 (BAS32L) MLF SMD
DA2	412014148T	S	DIODE 1N4148 (BAS32L) MLF SMD
DB1	412014148T	S	DIODE 1N4148 (BAS32L) MLF SMD
DB2	412014148T	S	DIODE 1N4148 (BAS32L) MLF SMD
DC1	412014148T	S	DIODE 1N4148 (BAS32L) MLF SMD
DC2	412014148T	S	DIODE 1N4148 (BAS32L) MLF SMD
ICD1	4159120500	S	IC LM1205N 28PIN
ICD2	4159188100	S	IC LM1881N 8PIN
JD1	4010800052		RES-CHIP 1/8W J 0R 1206
L401	4321828006		COIL PEAKING 0.82UH -AT-
L421	4321828006		COIL PEAKING 0.82UH -AT-
L441	4321828006		COIL PEAKING 0.82UH -AT-
L461	4322309006		FERRITE BEAD 3UH -AT-
L462	4322309006		FERRITE BEAD 3UH -AT-
P401	4490400300		CONN. 4P SXB-XH
P402	4491100320		WAFER 11P 2.0mm 173979 R/A
P403	4491000300		BASE 10P 2.54MM SXB-XH-A
P404	4490600300		CONN. 6P SXB-XH-A
P405	4490200300		BASE 2P 2.54MM SXB-XH-A
Q402	4106116200	S	TRS. BFQ162 TO-126
Q403	41061235A0	S	TRS. BFQ235A TO-220
Q404	41061255A0	S	TRS. BFQ255A TO-220
Q405	4110219210	S	TRS. 2SC1921 TO-92M -RT-
Q422	4106116200	S	TRS. BFQ162 TO-126
Q423	41061235A0	S	TRS. BFQ235A TO-220
Q424	41061255A0	S	TRS. BFQ255A TO-220
Q425	4110219210	S	TRS. 2SC1921 TO-92M -RT-
Q442	4106116200	S	TRS. BFQ162 TO-126
Q443	41061235A0	S	TRS. BFQ235A TO-220
Q444	41061255A0	S	TRS. BFQ255A TO-220
Q445	4110219210	S	TRS. 2SC1921 TO-92M -RT-
Q461	411020945P	S	TRS. 2SC945P TO-92 -RT-
Q462	411020945P	S	TRS. 2SC945P TO-92 -RT-
Q463	411020945P	S	TRS. 2SC945P TO-92 -RT-
R401	4050420055		RES-CF 1/4W J 20R -AT-
R402	4050451355		RES-CF 1/4W J 51K -AT-
R403	4050410055		RES-CF 1/4W J 10R -AT-
R405	4050410055		RES-CF 1/4W J 10R -AT-
R406	4050443055		RES-CF 1/4W J 43R -AT-
R407	4050224055		RES-CF 1/2W J 24R -AT-
R408	4050410155		RES-CF 1/4W J 100R -AT-
R409	4173012253	S	RES-MOF 3W J 1.2K -SF-
R410	4173012253	S	RES-MOF 3W J 1.2K -SF-
R411	4050420055		RES-CF 1/4W J 20R -AT-
R412	4050420055		RES-CF 1/4W J 20R -AT-
R413	4050115255		RES-CF 1/2W J 1.5K -AT- SMALL
R414	4050427155		RES-CF 1/4W J 270R -AT-
R415	4050412155		RES-CF 1/4W J 120R -AT-
R416	4050410555	S	RES-CF 1/4W J 1M -AT-
R417	4173010253	S	RES-MOF 3W J 1K -SF-
R418	4050439155		RES-CF 1/4W J 390R -AT-
R421	4050420055		RES-CF 1/4W J 20R -AT-
R422	4050451355		RES-CF 1/4W J 51K -AT-
R423	4050410055		RES-CF 1/4W J 10R -AT-
R425	4050410055		RES-CF 1/4W J 10R -AT-
R426	4050443055		RES-CF 1/4W J 43R -AT-
R427	4050224055		RES-CF 1/2W J 24R -AT-
R428	4050410155		RES-CF 1/4W J 100R -AT-
R429	4173012253	S	RES-MOF 3W J 1.2K -SF-
R430	4173012253	S	RES-MOF 3W J 1.2K -SF-
R431	4050420055		RES-CF 1/4W J 20R -AT-
R432	4050420055		RES-CF 1/4W J 20R -AT-
R433	4050115255		RES-CF 1/2W J 1.5K -AT- SMALL
R434	4050427155		RES-CF 1/4W J 270R -AT-
R435	4050412155		RES-CF 1/4W J 120R -AT-
R436	4050410555	S	RES-CF 1/4W J 1M -AT-
R437	4173010253	S	RES-MOF 3W J 1K -SF-
R438	4050539155		RES-CF 1/4W J 390R -AT- SMALL
R442	4050451355		RES-CF 1/4W J 51K -AT-
R443	4050410055		RES-CF 1/4W J 10R -AT-
R445	4050410055		RES-CF 1/4W J 10R -AT-
R446	4050443055		RES-CF 1/4W J 43R -AT-
R447	4050224055		RES-CF 1/2W J 24R -AT-
R448	4050410155		RES-CF 1/4W J 100R -AT-
R449	4173012253	S	RES-MOF 3W J 1.2K -SF-

R450	4173012253	S	RES-MOF 3W J 1.2K -SF-
R451	4050420055		RES-CF 1/4W J 20R -AT-
R452	4050420055		RES-CF 1/4W J 20R -AT-
R453	4050115255		RES-CF 1/2W J 1.5K -AT- SMALL
R454	4050427155		RES-CF 1/4W J 270R -AT-
R455	4050412155		RES-CF 1/4W J 120R -AT-
R456	4050410555	S	RES-CF 1/4W J 1M -AT-
R457	4173010253	S	RES-MOF 3W J 1K -SF-
R458	4050439155		RES-CF 1/4W J 390R -AT-
R461	4050233955		RES-CF 1/2W J 3.3R -AT-
R472	4050443155		RES-CF 1/4W J 430R -AT-
R473	4050410255		RES-CF 1/4W J 1K -AT-
R474	4050410355		RES-CF 1/4W J 10K -AT-
R475	4050410355		RES-CF 1/4W J 10K -AT-
R481	4050410255		RES-CF 1/4W J 1K -AT-
R482	4050430255		RES-CF 1/4W J 3K -AT-
R483	4050410355		RES-CF 1/4W J 10K -AT-
R484	4050410355		RES-CF 1/4W J 10K -AT-
R485	4050410155		RES-CF 1/4W J 100R -AT-
R486	4050410255		RES-CF 1/4W J 1K -AT-
RA1	4010875052		RES-CHIP 1/8W J 75R 1206
RA2	4010891052		RES-CHIP 1/8W J 91R 1206
RA3	4010839152		RES-CHIP 1/8W J 390R 1206
RB1	4010875052		RES-CHIP 1/8W J 75R 1206
RB2	4010891052		RES-CHIP 1/8W J 91R 1206
RB3	4010839152		RES-CHIP 1/8W J 390R 1206
RC1	4010875052		RES-CHIP 1/8W J 75R 1206
RC2	4010891052		RES-CHIP 1/8W J 91R 1206
RC3	4010839152		RES-CHIP 1/8W J 390R 1206
RD1	4010810352		RES-CHIP 1/8W J 10K 1206
RD2	4010891052		RES-CHIP 1/8W J 91R 1206
RD3	4010882252		RES-CHIP 1/8W J 8.2K 1206
RD4	4010811252		RES-CHIP 1/8W J 1.1K 1206
RD5	4010847452		RES-CHIP 1/8W J 470K 1206
RD7	4010839252		RES-CHIP 1/8W J 3.9K 1206
RE1	4010891052		RES-CHIP 1/8W J 91R 1206
RE2	4010856152		RES-CHIP 1/8W J 560R 1206
RE3	4010891152		RES-CHIP 1/8W J 910R 1206
RE4	4010891152		RES-CHIP 1/8W J 910R 1206
RE5	4010810052		RES-CHIP 1/8W J 10R 1206
ZD1	4120500561	S	DIODE ZENER RD5.1EB2 1/2W -AT-

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ADDRESS	Item Number	Spare	Description	Comment
******	AM6000054A-R	S	POWER SAVING PCB ASS'Y	
	2016094230		STUD M3X12	
	4141103202	S	@P.C.B. POWER SAVING 130X73	
	8504113006		SCREW BID(+) M3X6 MACH W/DISK	FOR POWER SAVING
	C488060034		CONN. 6P & WIRE ASS'Y	FOR SK903
C901	5121180552		CAP-CCCH 18PFJ 50V -RT-	
C902	5116104111		CAP-MC 0.1UFK 100V -RT-	
C903	5101471152		CAP-CCB 470PFK 50V -RT-	
C904	515X100T50		CAP-ECX 10UFM 50V -RT-	
C906	5116222111		CAP-MC 0.0022UFK 100V -RT-	
C907	5116103111		CAP-MC 0.01UFK 100V -RT-	
C908	515X100T50		CAP-ECX 10UFM 50V -RT-	
C909	5116102111		CAP-MC 0.001UFK 100V -RT-	
C910	5116102111		CAP-MC 0.001UFK 100V -RT-	
C911	5116222111		CAP-MC 0.0022UFK 100V -RT-	
C912	5116104111		CAP-MC 0.1UFK 100V -RT-	
C913	5116103111		CAP-MC 0.01UFK 100V -RT-	
C914	5116103111		CAP-MC 0.01UFK 100V -RT-	
C915	515X221T10		CAP-ECX 220UFM 10V -RT-	
C916	515X100T50		CAP-ECX 10UFM 50V -RT-	
C917	515X100T50		CAP-ECX 10UFM 50V -RT-	
C920	5128101552		CAP-CCSL 100PFJ 50V -RT-	
C921	5128271552		CAP-CCSL 270PFJ 50V -RT-	
D902	4120500561	S	DIODE ZENER RD5.1EB2 1/2W -AT-	
D903	4120146060	S	DIODE 1N4606 (SI) -AT-	
D904	4120146060	S	DIODE 1N4606 (SI) -AT-	
D905	4120146060	S	DIODE 1N4606 (SI) -AT-	
D906	4120146060	S	DIODE 1N4606 (SI) -AT-	
D907	4120146060	S	DIODE 1N4606 (SI) -AT-	
D908	4120146060	S	DIODE 1N4606 (SI) -AT-	
D909	4120146060	S	DIODE 1N4606 (SI) -AT-	
D910	4120146060	S	DIODE 1N4606 (SI) -AT-	
D911	4120146060	S	DIODE 1N4606 (SI) -AT-	
D912	4120146060	S	DIODE 1N4606 (SI) -AT-	
D913	4120146060	S	DIODE 1N4606 (SI) -AT-	
D914	4120146060	S	DIODE 1N4606 (SI) -AT-	
D915	4120146060	S	DIODE 1N4606 (SI) -AT-	
D916	4120146060	S	DIODE 1N4606 (SI) -AT-	
D917	4120146060	S	DIODE 1N4606 (SI) -AT-	
D918	4120146060	S	DIODE 1N4606 (SI) -AT-	
D919	4120146060	S	DIODE 1N4606 (SI) -AT-	
IC901	4159140600	S	IC MC14060B 16PIN	
IC902	4152740510	S	IC 74LS51 14PIN	
IC903	4159339000	S	IC LM339 16PIN	
IC904	4155741230	S	IC 74HC123	
IC905	4159140130	S	IC MC14013 BCP	
IC906	4159393000	S	IC LM 393 14PIN	
IC907	415978L05A	S	IC MC78L05ACZ 3PIN	
L901	4321102006		COIL PEAKING 1MH -AT-	
Q901	411020945P	S	TRS. 2SC945P TO-92 -RT-	
Q902	411020945P	S	TRS. 2SC945P TO-92 -RT-	
Q903	411020945P	S	TRS. 2SC945P TO-92 -RT-	
Q904	4110105610	S	TRS. 2SB561 TO-92 -RT-	
Q905	411030667A	S	TRS. 2SD667A TO-92M -RT-	
R901	4050410655	S	RES-CF 1/4W J 10M -AT-	
R902	4050410655	S	RES-CF 1/4W J 10M -AT-	
R903	4050468155		RES-CF 1/4W J 680R -AT-	
R904	4050410255		RES-CF 1/4W J 1K -AT-	
R905	4050468155		RES-CF 1/4W J 680R -AT-	
R906	4050410255		RES-CF 1/4W J 1K -AT-	
R907	4050447255		RES-CF 1/4W J 4.7K -AT-	
R908	4050447255		RES-CF 1/4W J 4.7K -AT-	
R909	4050447355		RES-CF 1/4W J 47K -AT-	
R910	4050447355		RES-CF 1/4W J 47K -AT-	
R911	4050415355		RES-CF 1/4W J 15K -AT-	
R912	4050410155		RES-CF 1/4W J 100R -AT-	
R913	4050410155		RES-CF 1/4W J 100R -AT-	
R914	4050410155		RES-CF 1/4W J 100R -AT-	
R915	4050410255		RES-CF 1/4W J 1K -AT-	
R916	4050410155		RES-CF 1/4W J 100R -AT-	
R917	4050410255		RES-CF 1/4W J 1K -AT-	
R919	4050410255		RES-CF 1/4W J 1K -AT-	
R920	4050410155		RES-CF 1/4W J 100R -AT-	
R922	4050447355		RES-CF 1/4W J 47K -AT-	

R923	4050410255		RES-CF 1/4W J 1K -AT-
R924	4050410355		RES-CF 1/4W J 10K -AT-
R925	4050447255		RES-CF 1/4W J 4.7K -AT-
R926	4050420255		RES-CF 1/4W J 2K -AT-
R927	4050422355		RES-CF 1/4W J 22K -AT-
R928	4050422355		RES-CF 1/4W J 22K -AT-
R929	4050410355		RES-CF 1/4W J 10K -AT-
R930	4050422355		RES-CF 1/4W J 22K -AT-
R931	4050422355		RES-CF 1/4W J 22K -AT-
R932	4050468255		RES-CF 1/4W J 6.8K -AT-
R933	4050410355		RES-CF 1/4W J 10K -AT-
R934	4050443355		RES-CF 1/4W J 43K -AT-
R935	4050422355		RES-CF 1/4W J 22K -AT-
R936	4050410355		RES-CF 1/4W J 10K -AT-
R937	4050475455		RES-CF 1/4W J 750K -AT-
R938	4050443455		RES-CF 1/4W J 430K -AT-
R939	4050447355		RES-CF 1/4W J 47K -AT-
R940	4050447355		RES-CF 1/4W J 47K -AT-
R941	4050447355		RES-CF 1/4W J 47K -AT-
R942	4050410255		RES-CF 1/4W J 1K -AT-
R943	4050447355		RES-CF 1/4W J 47K -AT-
R944	4050422355		RES-CF 1/4W J 22K -AT-
R945	4050468455		RES-CF 1/4W J 680K -AT-
R946	4050447255		RES-CF 1/4W J 4.7K -AT-
R947	4050439155		RES-CF 1/4W J 390R -AT-
R948	4050410255		RES-CF 1/4W J 1K -AT-
R949	4050215355		RES-CF 1/2W J 15K -AT-
R950	4172020256	S	RES-MOF 2W J 2K -AT-
R955	4050420255		RES-CF 1/4W J 2K -AT-
R956	4050420255		RES-CF 1/4W J 2K -AT-
SK901	4490800130		CONN. 8P B8B-XH-A
SK902	4490300130		CONN. 3P WAFER 2.5MM (B3B-XH-A
SK904	4490300260		WAFER 3P 2.0MM 173981-3
ZD901	4120512A30	S	DIODE ZENER 12V HZ12A3 -AT-

-- END --

ADDRESS	Item Number	Spare	Description	Comment
******	AM6000074A-R	S	SUB NECK PCB ASS'Y	
	1001094290		BUMPER	FOR SUB-NECK SHIELD
	4141103804	S	#P.C.B SUB-NECK 98X109MM	
	457030423H		SOCKET CRT HPS0380-01-110	
C101	5103102293		CAP-CCE 1000PFM 3KV -SF-	
C102	5103102293		CAP-CCE 1000PFM 3KV -SF-	
C107	5190104543		CAP-MPP 0.1UFJ 400V P:15MM -SF	
C108	5164229T50		CAP-BP 2.2UFM 50V RT 105C	
C109	5113224150		CAP-MC 0.22UFK 50V -SF-	
C111	5074103104		CAP-MEF 0.01UFK 400V -SF-	
C112	5134104452		CAP-SCF 0.1UFZ 50V -RT-	
C113	5116104111		CAP-MC 0.1UFK 100V -RT-	
C114	5116104111		CAP-MC 0.1UFK 100V -RT-	
C131	5116104111		CAP-MC 0.1UFK 100V -RT-	
C132	5190683543		CAP-MPP 0.068UFJ 400V -SF-	
D103	4120141480	S	DIODE 1N4148 (SI) -AT-	
D130	413010010J	S	DIODE RGP10J-5390 1A 600V -AT-	
D131	413010010J	S	DIODE RGP10J-5390 1A 600V -AT-	
D132	413010010J	S	DIODE RGP10J-5390 1A 600V -AT-	
L101	4321158006		COIL PEAKING 0.15UH -AT-	
L102	4321158006		COIL PEAKING 0.15UH -AT-	
L103	4321158006		COIL PEAKING 0.15UH -AT-	
L104	4321229006		COIL PEAKING 2.2UH -AT-	
NE101	4705415001		SURGE PROTECTOR 200V 52M -AT-	
NE102	4705415001		SURGE PROTECTOR 200V 52M -AT-	
NE103	4705415001		SURGE PROTECTOR 200V 52M -AT-	
P101	4490200130		CONN. 2P WAFER 2.5MM	
P102	4490200130		CONN. 2P WAFER 2.5MM	
P103	4490200130		CONN. 2P WAFER 2.5MM	
P104	4490500130		CONN. 5P WAFER 2.5MM	
Q101	411020945P	S	TRS. 2SC945P TO-92 -RT-	
Q102	4100226880	S	TRS. 2SC2688 TO-126	
Q103	410030600K	S	TRS. 2SD600KF TO-126	
Q104	410024106M	S	TRS. 2SC4106M W/MORNTING KIT	
R101	4060210115		RES-CC 1/2W K 100R -AT-	
R102	4060210115		RES-CC 1/2W K 100R -AT-	
R103	4060210115		RES-CC 1/2W K 100R -AT-	
R104	4060210115		RES-CC 1/2W K 100R -AT-	
R105	4060210315		RES-CC 1/2W K 10K -AT-	
R112	4050491255		RES-CF 1/4W J 9.1K -AT-	
R113	4050420455		RES-CF 1/4W J 200K -AT-	
R114	4050420355		RES-CF 1/4W J 20K -AT-	
R115	4050220455		RES-CF 1/2W J 200K -AT-	
R116	4050443255		RES-CF 1/4W J 4.3K -AT-	
R117	4050420155		RES-CF 1/4W J 200R -AT-	
R118	4050462455		RES-CF 1/4W J 620K -AT-	
R119	4050415355		RES-CF 1/4W J 15K -AT-	
R120	4050422355		RES-CF 1/4W J 22K -AT-	
R121	4177310053	S	RES-MOF 3W J 10R -SF- SMALL	
R122	4050418455		RES-CF 1/4W J 180K -AT-	
R123	4050468455		RES-CF 1/4W J 680K -AT-	
R130	4050410255		RES-CF 1/4W J 1K -AT-	
R131	4050247055		RES-CF 1/2W J 47R -AT-	
R132	4050410255		RES-CF 1/4W J 1K -AT-	
T101	705051433L		FOCUS TRANSFORMER W/SHIELD	

END

ADDRESS	Item Number	Spare	Description	Comment
******	AM6000084A-R	S	SCL PCB ASS'Y	
	4141104400	S	#P.C.B. SCL	
	C488040068		CONN. 4P & WIRE ASS'Y	P205
C501	5156479T50		CAP-EC6 4.7UFM 50V -RT-	
C502	5101103152		CAP-CCB 0.01UFK 50V -RT-	
D506	41205007C2	S	DIODE ZENER HZ7C-2 -AT-	
P204	4490400260		CONN. 4PIN WAFER 2.0MM 173981-	
Q501	411020945P	S	TRS. 2SC945P TO-92 -RT-	
Q502	411020945P	S	TRS. 2SC945P TO-92 -RT-	
R505	4050447255		RES-CF 1/4W J 4.7K -AT-	
R506	4050433255		RES-CF 1/4W J 3.3K -AT-	
R507	4050422255		RES-CF 1/4W J 2.2K -AT-	

END

ADDRESS	Item Number	Spare	Description	Comment
******	SS60010620-404	S	AC LINE FILTER & WIRE ASS'Y	
	C459423L10	S	GND WIRE ASS'Y	FOR AC SOCKET GND
	C488031188		CONN. 3P & WIRE ASS'Y	FOR AC SOCKET TO PCB SW VR
	5290003000		TUBE-SHRINK ID=3¢	FOR RES
	5290005000		TUBE-SHRINK ID=5¢	FOR AC INPUT SOCKET
	7066330129		NOISE FILTER ID-0343-S	
R99	4070247455		RES-MF 1/2W J 470K -AT-	

END

ADDRESS	Item Number	Spare	Description	Comment
******	SS60010820-404	S	POWER SWITCH & VR ASS'Y	
	C488030190		CONN. 3P & WIRE ASS'Y	FOR PCB SW VR TO POWER BOARD SK1
	4141104603	S	#P.C.B. SW VR (76.2X43)	
	4490310193		CONN. 3P WAFER 2 OPEN RIGHT	
SW1	4410204004	S	SWITCH POWER SDDS32B7U-CK	

END

ADDRESS	Item Number	Spare	Description	Comment
******	SS60020120-404	S	LED & WIRE ASS'Y	
	C488031192		CONN. 3P & WIRE ASS'Y W/CORE	
	4120624630		LED G/O BI-COLOR LT2463-23	LED1
	4141107100	S	P.C.B. LED	

END

ADDRESS	Item Number	Spare	Description	Comment
******	SS60010320-404	S	BNC CONN(5) & WIRE ASS'Y	
	C488100011		CONN. 10P & WIRE ASS'Y	FOR CONN BNC TO VIDEO BOARD I/R,I/G,I/B
	4410103000	S	SLIDE SWITCH SSL751207-00000	FOR SELF TEST
	4490100208		CONN. BNC 180 DEGREE BNB-001	FOR INPUT
	5324201501		WIRE 1007 #24 BLK 140-5-5	FOR BNC CONN

END

ADDRESS	Item Number	Spare	Description	Comment
******	SS60011120-404	S	CHASSIS (L) & TRS. ASS'Y	
	2008296000		CHASSIS (L)	
	2017096330	S	FOCUS BKT A	
	3060040060		RIVET NYLON 4.0X6.0	FOR PCB & CHAS (L)
	5510102500		TUBE SI-RUBBER 45T-11¢X25L	FOR D304
	5520100005		INSULATOR SI-RUBBER TO-3P	FOR Q307,320
	8026113010		SCREW BIND(+) TAPPING M3X10 TR	FOR Q314,320 & CHAS (L)
	8026113010		SCREW BIND(+) TAPPING M3X10 TR	FOR D303
	8026113012		SCREW BIND(+) ZN3C M3X12 SELF	FOR D304 & HEAT SINK HOLDER & CHAS (L),Q307,D306 &
	8026113014		SCREW TRI "B" M3X14	FOR D304 & H/S HOLDER ASS'Y
	8504113006		SCREW BID(+) M3X6 MACH W/DISK	FOR FOCUS BKT & CHAS (L)X2
D303	4130500200	S	DIODE CTP-G2 FR TO-220	
D304	4131014590	S	DIODE BY459F-1500 SOD-100	
D306	4130400260	S	DIODE FMGG26S TO-220	
Q307	410024290A	S	TRS. 2SC4290A TO-3PL	
Q314	4101511010	S	TRS. MOSFET 2SK1101 SC-67	
Q320	4100310180	S	TRS. 2SD1018 W/MOUNTING KIT	

END

ADDRESS	Item Number	Spare	Description	Comment
******	SS60000920-404	S	CONTROL PCB & WIRE ASS'Y	
	C488040091		CONN. 4P & WIRE ASS'Y	
	4141107300	S	P.C.B. CONNECTOR	
	4490400207		CONN. 4P WAFER ROUND PIN	

END

ADDRESS	Item Number	Spare	Description	Comment
******	SS60011220-404	S	STAND ASS'Y	
	1006096330		SNAP BUSHINGS (NB1722)	FOR STAND ASS'Y
	1013094180		REVLT ¢3	FOR I2C BUS PCB
	2010096000		STAND (5BNC)	
	5541025160		CABLE TIE-BINDING 2.5X160	FOR STAND & CORD X1
	8024113008	S	SCREW STEEL TRI "B" TAPPING FL	FOR AC SOCKET
	8127113006		SCREW PAN(+)/HD CAP TAPPING M3	FOR GND WIRE ASS'Y
	8282112006		SCREW PAN(+) W/SPRING WASHER M	FOR SELF TEST SW
	9008096001		DECO SHEET	

END

Replacement Parts List Variation of Two Models

Part No.	Mfg	Description	2082G-1		2082G-2	
			Usage	Different Address	Usage	Different Address
C459632010		WIRE ASS'Y 350MM			1.00000	
C459632021		WIRE & CORE ASS'Y 420MM			1.00000	
C488080064		CONN. 8P & WIRE ASS'Y W/CORE			1.00000	
1001096001	392	BEZEL	1.00000			
1001196002	392	BEZEL ASS'Y			1.00000	
1002096002	304	#POWER KNOB			1.00000	
1003096002	195	#PW SW PCB PLATE			1.00000	
1004096000	304	POWER KNOB	1.00000			
1004096002	392	COVER (R)			1.00000	
1004096320	304	#CONTROL DOOR			1.00000	
1004096321	304	#CONTROL DOOR	1.00000			
1005096002	392	COVER (L)			1.00000	
1006096001	392	COVER (R)	1.00000			
1007096001	392	COVER (L)	1.00000			
1008096000	392	BASE			1.00000	
1008096001	304	TILT BALL	1.00000			
1008294251	392	BASE	1.00000			
1009094238	304	LATCH			1.00000	
1009094251	304	LATCH	1.00000			
1009096000	304	TILT BALL			1.00000	
1010094090	195	RUBBER WASHER 20øX5.5øX2.2T			2.00000	
1012196000	392	REAR COVER ASS'Y	1.00000			
1022196000	392	REAR COVER ASS'Y			1.00000	
2014096320		AEF PLATE			1.00000	
4050410155		RES-CF 1/4W J 100R -AT-	16.00000	R21 R211 R212 R25 R35 R37 R38 R408 R428 R448 R485 R912 R913 R914 R916 R920	17.00000	R21 R211 R212 R25 R35 R37 R38 R396 R408 R428 R448 R485 R912 R913 R914 R916 R920
4120624630		LED G/O BI-COLOR LT2463-23			1.00000	
4120694000		LED LT9463-23 Y/G	1.00000			
4141104900	998	P.C.B. LED	1.00000			
4141107100	998	P.C.B. LED			1.00000	
4410501143		MEMBRANE SWITCH	1.00000			
4410506330		TCO MYLAR W/CARBON			4.00000	
4410514026		MEMBRANE SWITCH 34273 2082G-1			1.00000	
463110001N		AC POWER CORD PC VDE GRY 5FT W	1.00000			
463310001N		AC POWER CORD WALL UL/CSA GRY			1.00000	
5101102132		CAP-CCB 1000PFK 1KV -RT-	1.00000	C38	2.00000	C346 C38
5550180232		INDUSTRIAL TAPE 3M W=18mm #232			.05500	
5550501194		COPPER TAPE 1194 W-50			1.24000	
708S206000		COIL HOR LINEARITY -SF-	1.00000	L303		
708S226330		COIL HOR LINEARITY			1.00000	L303
8418114020		SCREW BID(+) TRI "P" M4X20			1.00000	
9001094621		LABEL CARTON	1.00000			
9001196002		#CARTON			1.05000	
9001294331		LABEL MARK	1.00000			
9001296001		#CARTON	1.05000			
9002196001		#CARTON COVER	1.05000			
9003096000		SNOW BOX-TOP			1.05000	
9004096000		COVER I2C	1.00000			
9004096008		#CARTON STRIP	8.40000			
9004096320		COVER I2C			1.00000	

Replacement Parts List Variation of Two Models

Part No.	Mfg	Description	2082G-1 Usage	2082G-1 Different Address	2082G-2 Usage	2082G-2 Different Address
9006094386		LABEL(ONLY FOR VDE PC TYPE PO	1.00000			
9006096000		SNOW BOX-BTM			1.05000	
9009096001		NAME PLATE	1.00000			
9011196001		#LABEL ID	1.00000			
9012096001		MANUAL	1.00000			
9012194190		LABEL POWER CORD	1.00000			
9015096002		#LABEL ID			1.00000	
9015097302		LABEL BAR CODE 40X20MM			1.00000	
9015194A39		LABEL ENERGY START	1.00000			
9015194337		#LABEL CE	1.00000			
9015197492		LABEL BLANK			1.00000	
9016096002		#MANUAL			1.00000	
9021096001		SNOW BOX (TOP-F)	1.05000			
9022096001		SNOW BOX (TOP-R)	1.05000			
9023096001		SNOW BOX (BTM-R)	1.05000			
9024096001		SNOW BOX (BTM-L)	1.05000			
AM6000014A-R		DEF PCB PARTS UNION (A-AI)	1.00000			
AM6000014R-R		DEF PCB PARTS UNION (R-AI)	1.00000			
AM6000504A-V		MAIN PCB ASS'Y (A-AI)	1.00000			
AM6000504R-V		MAIN PCB ASS'Y (R-AI)	1.00000			
AM60010142-R		DEF PCB PARTS UNION (SUB-1)	1.00000			
AM60010142-V		DEF PCB ASS'Y (SUB-1)	1.00000			
AM60015042-V		MAIN PCB ASS'Y (SUB-1)	1.00000			
AM60015044-V		MAIN PCB ASS'Y (SUB-2)	1.00000			
AM6001514H-V		MAIN/SUB NECK PCB ASS'Y (PCB W	1.00000			
AM60015144-V		MAIN/SUB NECK PCB ASS'Y (SUB-2	1.00000			
AM60015245-R		CHASSIS PARTS UNION	1.00000			
AM60015245-V		CHASSIS ASS'Y	1.00000			
AM60015246-V		CHASSIS ASS'Y (BURN-IN)	1.00000			
AM60015248-R		PLASTIC PARTS UNION	1.00000			
AM60015248-V		PLASTIC ASS'Y	1.00000			
AM60015262-R		PACKING MTRL UNION	1.00000			
CT6002014A-R		DEF PCB PARTS UNION (A-AI)			1.00000	
CT6002014R-R		DEF PCB PARTS UNION (R-AI)			1.00000	
CT60020142-R		DEF PCB PARTS UNION (SUB-1)			1.00000	
CT60020142-V		DEF PCB ASS'Y (SUB-1)			1.00000	
CT6002504A-V		MAIN PCB ASS'Y (A-AI)			1.00000	
CT6002504R-V		MAIN PCB ASS'Y (R-AI)			1.00000	
CT60025042-V		MAIN PCB ASS'Y (SUB-1)			1.00000	
CT60025044-V		MAIN PCB ASS'Y (SUB-2)			1.00000	
CT6002514H-V		MAIN/SUB NECK PCB ASS'Y (PCB W			1.00000	
CT60025144-V		MAIN/SUB NECK PCB ASS'Y (SUB-2			1.00000	
CT60025245-R		CHASSIS PARTS UNION			1.00000	
CT60025245-V		CHASSIS ASS'Y			1.00000	
CT60025246-V		CHASSIS ASS'Y (BURN-IN)			1.00000	
CT60025248-R		PLASTIC PARTS UNION			1.00000	
CT60025248-V		PLASTIC ASS'Y			1.00000	
CT60025262-R		PACKING MTRL UNION			1.00000	
SS60010720-404		LED & WIRE ASS'Y	1.00000			
SS60020120-404		LED & WIRE ASS'Y			1.00000	
5406100000-000		JUMP WIRE 0.6ø	177.00000	D328 J1 J10 J11 J12 J13 J14 J15	177.00000	D328 J1 J10 J11 J12 J13 J14 J15

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30290R                                                          Replacement Parts List Variation of Two Models                                                  DATE :  5/02/95
                                                                                                                                                                TIME : 16:26:54
                                                                                                                                                                PAGE :    3
                                                       -------------------- 2082G-1 ----------------------------      -------------------- 2082G-2 ----------------------------
  Part No.     Mfg            Description              Usage    Different Address                                     Usage    Different Address
------------- ----- ---------------------------------- -------- ----------------------------------------------------- -------- -----------------------------------------------------
                                                                J16   J17   J18   J19   J2    J20   J201  J202                 J16   J17   J18   J19   J2    J20   J201  J202
                                                                J203  J204  J205  J206  J207  J208  J209  J21                  J203  J204  J205  J206  J207  J208  J209  J21
                                                                J211  J212  J213  J214  J215  J217  J219  J22                  J211  J212  J213  J214  J215  J217  J219  J22
                                                                J220  J221  J222  J223  J225  J226  J227  J228                 J220  J221  J222  J223  J225  J226  J227  J228
                                                                J229  J23   J230  J231  J233  J234  J235  J236                 J229  J23   J230  J231  J233  J234  J235  J236
                                                                J237  J238  J239  J24   J240  J241  J242  J243                 J237  J238  J239  J24   J240  J241  J242  J243
                                                                J244  J245  J246  J247  J248  J249  J25   J250                 J244  J245  J246  J247  J248  J249  J25   J250
                                                                J251  J252  J253  J254  J255  J256  J257  J258                 J251  J252  J253  J254  J255  J256  J257  J258
                                                                J260  J261  J262  J263  J264  J265  J266  J267                 J260  J261  J262  J263  J264  J265  J266  J267
                                                                J268  J27   J270  J272  J273  J274  J276  J277                 J268  J27   J270  J272  J273  J274  J276  J277
                                                                J278  J279  J28   J280  J281  J283  J284  J285                 J278  J279  J28   J280  J281  J283  J284  J285
                                                                J286  J287  J288  J289  J29   J290  J292  J293                 J286  J287  J288  J289  J29   J290  J292  J293
                                                                J294  J297  J3    J30   J301  J302  J303  J304                 J294  J297  J3    J30   J301  J302  J303  J304
                                                                J31   J32   J33   J34   J35   J36   J38   J4                   J31   J32   J33   J34   J35   J36   J38   J4
                                                                J40   J401  J402  J404  J405  J406  J407  J408                 J40   J401  J402  J404  J405  J406  J407  J408
                                                                J409  J410  J411  J412  J413  J414  J417  J418                 J409  J410  J411  J412  J413  J414  J417  J418
                                                                J419  J420  J421  J5    J6    J7    J8    J9                   J419  J420  J421  J5    J6    J7    J8    J9
                                                                J901  J901  J902  J902  J903  J903  J904  J904                 J901  J901  J902  J902  J903  J903  J904  J904
                                                                J905  J906  J907  J908  J909  J910  J911  J912                 J905  J906  J907  J908  J909  J910  J911  J912
                                                                J913  J914  J915  J916  J917  J918  J919  J920                 J913  J914  J915  J916  J917  J918  J919  J920
                                                                L404  L405  L424  L425  L444  L445  R201  R202                 L404  L405  L424  L425  L444  L445  R201  R202
                                                                R918                                                           R918
                                                                          ***** END OF B0290R REPORT *****
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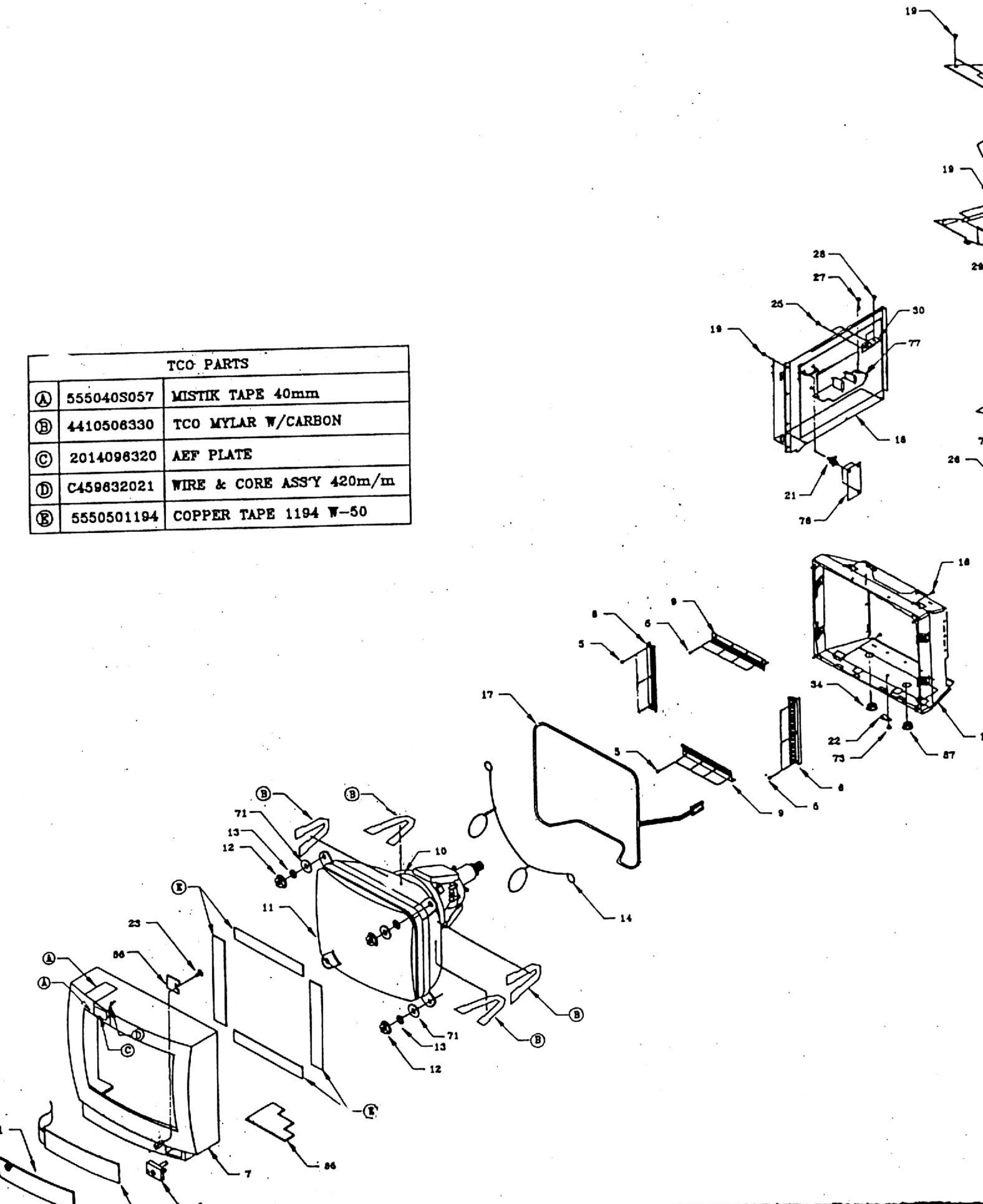
Cabinet and Main Parts List

AUG/18/'94

SPARE	Item Number	DRAWING INDEX	Description	COMMENT
	1004096321	1	CONTROL DOOR	
	4410501147	2	MEMBRANE SWITCH CAM6001	
	1004096000	3	POWER KNOB	
	2003099000	4	ANODE COVER	
	8026113006	5	SCREW BIND(+) TAPPING TRI ANGL	FOR CRT FINGER & CRT FRAME X12
	2008099000	6	CONTACT FINGER C	
	1001096001	7	BEZEL	
	9009096001	8	NAME PLATE	FOR BEZEL
	2007099000	9	CONTACT FINGER B	
	C460633010	10	TILT RING WIRE ASS'Y	FOR CRT
	7010023520	11	CRT M48KFH 180X15(U)	
	3021114020	12	NUT ZINC 1/4"-20	CRT & CRT FRAME X4
	3211600000	13	SPRING WASHER	CRT & CRT FRAME X4
	C001139000	14	BRAID WIRE ASS'Y	FOR CRT BRAID WIRE
	2001199000	15	CRT FRAME	
	8135115025	16	SCREW CAP HI-LOW TAPPING M5X25	BEZEL & CRT FRAME
	7020196000	17	DEGAUSSING COIL W/CORE	
	2008296000	18	CHASSIS (L)	
	8127113006	19	SCREW PAN(+)/HD CAP TAPPING M3	CRT FRAME & CHAS TOP X2,CHAS BTM & CRT FRAME X2,CH
		19		AS TOP & CHAS R X3,CRT FRAME & STAND X4,CHAS TOP &
		19		CHAS L X3,CHAS REAR & CHAS TOP X2,I/O CABLE & CHAS
		19		REAR X1,CHAS REAR & CHAS BOTTOM X3,CHAS REAR & CH
		19		AS R X3,CHAS REAR & CHAS L X3
	9006099000	20	ANODE INSULATOR	
	5530307005	21	SUPPORT PCB CBS-8K	
	2002091229	22	CLIP CABLE	FOR I/O CABLE X2, POWER WIRE X1
	8026113010	23	SCREW BIND(+) TAPPING'B' M3X10	
	2004694251	24	CHASSIS TOP	
	8504113006	25	SCREW BID(+) M3X6 MACH W/DISK	FOR FOCUS BKT & CHAS (L)X2
	2009096000	26	CHASSIS (BTM)	
	3060040060	27	RIVET NYLON 4.0X6.0	FOR PCB & CHAS (L)
	8026113008	28	SCREW BID(+) ZINC M3X8 TAPPING	FOR FOCUS & FOCUS BKT (A)
	5530200102	29	CORD CRAMPER TH-A	FOR CHAS TO TOP.
	2017096330	30	FOCUS BKT A	
	1013094180	31	REVLT!¢3	FOR I2C BUS PCB
	AM60000944-V	32	H-PRO DAUGHTER PCB ASS'Y	
	9008096001	33	DECO SHEET	
	1006096330	34	SNAP BUSHINGS (NB1722)	STAND X1, CHAS BTM X1
	1006096330	34	SNAP BUSHINGS (NB1722)	FOR STAND X1
	C710633010	35	I/O CABLE ASS'Y	
	9004096000	36	COVER I2C	
	8002113012	37	SCREW FLATE HD(+) M3X12	FOR AC SOCKET
	7064700129	38	LINE FILTER IA5-S33	
	9005096001	39	DECO PLATE (5BNC)	
	3211300000	40	WASHER SPRING M3 5.2¢X3.2¢X0.8	FOR AC SOCKET
	3011100030	41	NUT ISO HEX M3 Z1NC	FOR AC SOCKET
	2007096000	42	REAR COVER SUPPORT	
	8504113006	43	SCREW BID(+) M3X6 MACH W/DISK	STUD & CHAS R X4, VIDEO & STUD X4, POWER SAVING X1
	8037114016	44	SCREW BIND(+) HI-LOW M4X16	
	1007096001	45	COVER (L)	FOR REAR COVER
	8418114014	46	SCREW BID(+) M4X14 TAPPING TRI	TILT BALL & LATCH
	1009094251	47	LATCH	
	1006094251	48	RETAINER	
	1008096001	49	TILT BALL	
	1019094230	50	FOOT	
	1008294251	51	BASE	
	8081111530	52	SCREW BIND/HD MACH 1/4"-20X30	
	1006096001	53	COVER (R)	FOR REAR COVER
	AM60015044-V	54	MAIN PCB ASS'Y	
	8037115035	55	SCREW BID(+) HI-LO M5X35	FOR BEZEL & BUCKET
	1012196000	56	REAR COVER ASS'Y	
	2002094660	57	CHASSIS (R)	
	AM60000744-V	58	SUB NECK PCB ASS'Y	
	2016094230	59	STUD M3X12	VIDEO BOARD X4
	5530311005	60	SUPPORT PCB	FOR POWER SAVING
	AM60000244-V	61	NECK PCB ASS'Y	
	1001094290	62	BUMPER	
	2022194660	63	VIDEO COVER	
	2014096330	64	VIDEO SHIELD	
	2010096000	65	STAND (5BNC)	
	SS60010430-404	66	VIDEO IC PCB ASS'Y	
	2010096340	67	CHASSIS REAR	

AM60000544-V	68	POWER SAVING PCB ASS'Y	
2016094230	69	STUD M3X12	
2013096000	70	NECK SHIELD	FOR SUB NECK
3111602016	71	WASHER FLAT M6X1.6	CRT & CRT FRAME X4
8504113008	72	SCREW BIND(+) M3X8 MACH W/DISK	CONTROL BOX & UPPER BKT X4,MAIN PCB & CHAS BTM X6
8121114008	73	SCREW CAP BID(+) M4X8 TAPPING"	FOR I/O CABLE & CHAS BTM & POWER WIRE
----------	74	I2C PCB ASS'Y	
201309632D	75	FINGER (B)	CRT FRAME & CHAS (R)
SS60010930-404	76	LOGIC PCB ASS'Y	
----------	77	TRS PCB ASS'Y	
SS60000920-404	78	CONTROL PCB WIRE ASS'Y	
AM60010442-V	79	DC-DC DAUGHTER PCB	
5530200102	80	CORD CRAMPER TH-A	FOR SPS WIRE ASS'Y
5530200101	81	CORD CRAMP TH-C	
8282112006	82	SCREW PAN(+) W/SPRING WASHER M	FOR SELF TEST SW
1004099000-231	83	SNAP BUSHING(NB-1216)	
2027094660	84	CONDUCTOR	
SS60010820-404	85	POWER SWITCH & VR ASS'Y	
SS60010720-404	86	LED & WIRE ASS'Y	

TCO PARTS		
Ⓐ	555040S057	MISTIK TAPE 40mm
Ⓑ	4410506330	TCO MYLAR W/CARBON
Ⓒ	2014096320	AEF PLATE
Ⓓ	C459632021	WIRE & CORE ASS'Y 420m/m
Ⓔ	5550501194	COPPER TAPE 1194 W-50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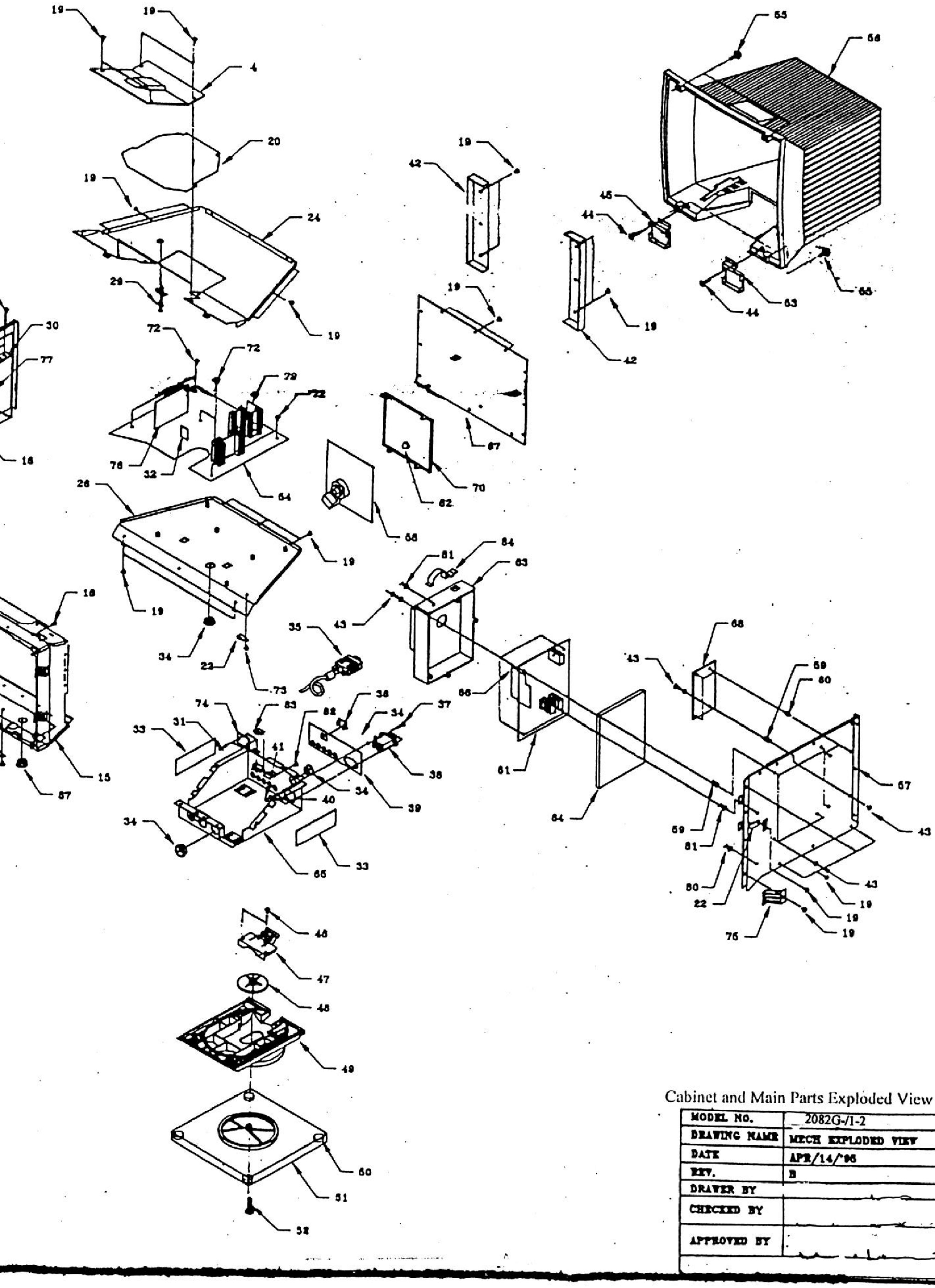
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Cabinet and Main Parts Exploded View

MODEL NO.	2082G-/1-2
DRAWING NAME	MECH EXPLODED VIEW
DATE	APR/14/'96
REV.	B
DRAWER BY	
CHECKED BY	
APPROVED BY	

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SAFETY NOTICE

This service manual is prepared to assist engineers or technicians of repair centers who are in charge of servicing the monitors in the field. The service manual, therefore, is not for users but for those technically oriented service engineers from repair centers.

This service manual explains the monitor's outline, detailed features, functions and basic construction of the individual unit or circuit, alignment procedure and the detailed TROUBLE-SHOOTING procedures.

The contents should be read and completely understood before attempting service.

1) Make sure the power cord is disconnected before opening the BACK-COVER of the monitor and replacing any parts in the unit.

2) While the monitor is in operation, do not attempt to connect or disconnect any wire.

3) When the power is on, do not attempt to short any portion of the circuit. This shorting may cause damage to the transistors, ic's or other parts in the unit.

4) Operation of the monitor with the cabinet or the BACK-COVER removed involves a shock hazard. The repair or service on these models should only be performed by those who are thoroughly familiar with the precautions necessary when working with high voltage equipment.

5) Do not install, remove, or handle the picture tube in any manner unless shatterproof goggles are worn. People not so equipped should be kept away while picture tubes are handled. Keep the picture tube away from the body while handling, & do not lift the picture tube by the neck.

6) When replacing a chassis in the monitor, all the protective devices must be put back in place, such as barriers, NON-METALLIC KNOBS, adjustment and compartment shields, and isolation RESISTOR-CAPACITOR

7) When service is required, observe the original lead dress. extra precaution should be taken to ensure correct lead dress in the high voltage circuitry area.

8) Always use the manufacturer's replacement parts. Especially critical parts as indicated on the circuit diagram should not be replaced by other manufacturer's parts. Furthermore, where a short circuit has occurred, replace those parts that indicate evidence of overheating.

9) Before returning a serviced monitor to the customer, the service technician must throughly test the unit to make sure that it is completely safe to operate without danger of electrical shock. The technician must also ensure that no protective device built into the monitor by the manufacturer has become defective, or inadvertently defeated during servicing; especially, the resistance of the connection between the protective earthing terminal and the parts required to be earthed should not exceed 0.1 ohn.

MODEL 2082G-1 AND MODEL 2082G-2

1. CATEGORY COLOR LANDSCAPE

2. CRT

SIZE:	20"
PHOSPHOR:	P22 MEDIUM SHORT
DEFLECTION ANGLE:	90°
SURFACE TREATMENT:	ANTISTATIC/ANTIREFLECTION COATING
DOT PITCH	0.28 mm
X'MISSION RATE:	53.5%
FACEPLATE TYPE:	FS

3. f-SYNC. MULTI-SYNC
f-H: 31 -- 82 KHZ f-V: 50 -- 110HZ

4. VIDEO VIDEO TYPE: ANALOG

5. SYNC. SYNC TYPE : TTL

6. RESOLUTION

(a)

MODE NO	Hf KHz	Vf Hz	DOT x LINE
01	79.976	75.02	1280 x 1024
02	74.645	70.02	1280 x 1024
03	59.880	74.85	1024 x 768
04	58.230	72.245	1024 x 768
05	56.476	70.07	1024 x 768
06	48.044	72.14	800 x 600
07	46.968	75.15	800 x 600
08	37.736	72.57	640 x 480
09	37.383	74.77	640 x 480
10	31.47	70.08	640 x 350
11	31.47	70.08	640 x 400
12	31.47	59.94	640 x 480

(b) 2082G-1

MODE NO	Hf KHz	Vf Hz	DOT x LINE
01	79.976	75.02	1280 x 1024
02	65.700	60.61	1280 x 1024
03	61.080	75.78	1024 x 768
04	59.590	72.09	1024 x 768
05	56.480	70.07	1024 x 768
06	48.080	72.19	800 x 600
07	37.860	72.809	640 x 480
08	35.160	56.25	800 x 600
09	31.470	59.94	640 x 480
10			
11			
12			

(b) 2082G-2

MODE NO	Hf KHz	Vf Hz	DOT x LINE
01	79.976	75.025	1280 x 1024
02	65.700	60.61	1280 x 1024
03	60.023	75.029	1024 x 768
04	48.363	60.004	1024 x 768
05	46.875	75.00	800 x 600
06	37.879	60.317	800 x 600
07	37.500	75.00	640 x 480
08	31.469	59.942	640 x 480
09			
10			

7. POWER SUPPLY :
- * POWER SUPPLY TYPE: UNIVERSAL SEGMENTED
- * A/C LINE VOITAGE RANGE: 88 VAC - 132 VAC , 180 VAC - 264 VAC
- * A/C LINE FREQUENCY RANGE: 50+-3 HZ, 60+-3 HZ
- * POWER CONSUMPTION : < 180 W
- * DEGAUSS: AUTOMATIC AND MANUAL
- * POWER MANAGEMENT:

APM STATE	POWER SAVINGS	AUTOMATIC RECOVERY TIME
ON	NONE	NOT APPLICABLE
STAND-BY	MINIMAL<25W	SHORT RECOVERY
SUSPEND	SUBSTANTIAL<25W	LONGERRECOVERY ALLOWED
OFF	MAXIMUM<5W	SYSTEM DEPENDENT

NOTE: THE POWER INDICATOR LED COLOR IS GREEN IN THE ON STATE,ORANGE IN STAND-BY,SUSPEND AND IN THE OFF STATE.

8. EXTERNAL CONTROL POWER SWITCH ADVANCED DIGITAL CONTROLS

9. MAGNETIC FIELD H=0.01 V=0.45 GAUSS

TIMING CHART 2082G-I

FACTORY MODE SETTINGS						
PARAMETER	MODE					
	1	2	3	4	5	6
HORIZONTIAL TIMING						
fH SYNC KHZ	79.976	65.700	61.080	59.590	56.480	48.080
A H-TOTAL µS	12.503	15.220	16.370	16.780	17.707	20.800
B H-SYNC µS	1.067	1.460	3.720	1.620	1.813	2.400
C H-BP µS	1.837	1.840	0.650	1.954	1.920	1.280
D H-ACTIVE µS	9.481	11.570	11.910	12.910	13.653	16.000
E H-FP µS	0.119	0.350	0.090	0.236	0.320	1.120
VERTICAL TIMING						
fV SYNC HZ	75.02	60.610	75.780	72.090	70.070	72.190
O V-TOTAL mS	13.329	16.498	13.191	13.870	14.271	13.853
P V-SYNC mS	0.038	0.106	0.131	0.101	0.106	0.125
Q V-BP mS	0.475	0.457	0.491	0.807	0.513	0.478
R V-ACTIVE mS	12.804	15.585	12.570	12.977	13.598	12.480
S V-FP mS	0.013	0.350	0.0089	0.016	0.053	0.770
H/V SYNC POLARITY	+ / +	+ / +	+ / +	- / -	- / -	+ / +
DISPLAY SIZE HOR. unit : mm VER.	337.5 270	337.5 270	360 270	360 270	360 270	360 270
RESOLUTION DOT LINE	1280 1024	1280 1024	1024 768	1024 768	1024 768	800 600
fPIXEL MHZ	135.00	110.625	86.000	79.320	75.00	50.00
TEST MODE						

FACTORY MODE SETTINGS						
PARAMETER	MODE					
	7	8	9			
HORIZONTIAL TIMING						
fH SYNC KHZ	37.860	35.160	31.470			
A H-TOTAL µS	26.413	28.444	31.777			
B H-SYNC µS	1.270	2.000	3.813			
C H-BP µS	4.064	3.556	1.907			
D H-ACTIVE µS	20.317	22.222	25.417			
E H-FP µS	0.762	0.667	0.635			
VERTICAL TIMING						
fV SYNC HZ	72.809	56.250	59.940			
O V-TOTAL mS	13.735	17.775	16.683			
P V-SYNC mS	0.079	0.057	0.0636			
Q V-BP mS	0.740	0.626	1.049			
R V-ACTIVE mS	12.678	17.064	15.253			
S V-FP mS	0.238	0.0284	0.318			
H/V SYNC POLARITY	- / -	+ / +	- / -			
DISPLAY SIZE HOR. unit : mm VER.	360 270	360 270	360 270			
RESOLUTION DOT LINE	640 480	800 600	640 480			
fPIXEL MHZ	31.50	36.00	25.180			
TEST MODE						

TIMING CHART FOR 2082G-2

FACTORY MODE SETTINGS						
PARAMETER	MODE					
	1	2	3	4	5	6
HORIZONTIAL TIMING						
fH SYNC KHZ	79.976	65.700	60.023	48.363	46.875	37.879
A H-TOTAL µS	12.504	15.220	16.660	20.677	21.333	26.400
B H-SYNC µS	1.067	1.460	1.219	2.092	1.616	3.200
C H-BP µS	1.837	1.840	2.235	2.462	3.232	2.200
D H-ACTIVE µS	9.481	11.570	13.003	15.754	16.162	20.000
E H-FP µS	0.119	0.350	0.203	0.369	0.323	1.000
VERTICAL TIMING						
fV SYNC HZ	75.025	60.610	75.029	60.004	75.000	60.317
O V-TOTAL mS	13.329	16.498	13.328	16.666	13.333	16.579
P V-SYNC mS	0.038	0.106	0.050	0.124	0.064	0.106
Q V-BP mS	0.475	0.457	0.466	0.600	0.448	0.607
R V-ACTIVE mS	12.804	15.585	12.795	15.880	12.800	15.840
S V-FP mS	0.013	0.350	0.017	0.062	0.021	0.026
H/V SYNC POLARITY	+ / +	+ / +	+ / +	- / -	+ / +	+ / +
DISPLAY SIZE HOR. unit : mm VER.	337.5 270	337.5 270	360 270	360 270	360 270	360 270
RESOLUTION DOT LINE	1280 1024	1280 1024	1024 768	1024 768	800 600	800 600
fPIXEL MHZ	135.00	110.625	78.750	65.000	49.500	40.000
TEST MODE						

FACTORY MODE SETTINGS

PARAMETER	MODE					
	7	8				
HORIZONTIAL TIMING						
fH SYNC KHZ	37.500	31.469				
A H-TOTAL µS	26.667	31.777				
B H-SYNC µS	2.032	3.813				
C H-BP µS	3.810	1.907				
D H-ACTIVE µS	20.317	25.422				
E H-FP µS	0.508	0.635				
VERTICAL TIMING						
fV SYNC HZ	75.000	59.942				
O V-TOTAL mS	13.333	16.683				
P V-SYNC mS	0.080	0.064				
Q V-BP mS	0.427	1.048				
R V-ACTIVE mS	12.800	15.253				
S V-FP mS	0.027	0.318				
H/V SYNC POLARITY	- / -	- / -				
DISPLAY SIZE HOR. unit : mm VER.	360 270	360 270				
RESOLUTION DOT LINE	640 480	640 480				
fPIXEL MHZ	31.50	25.175				
TEST MODE						

ALIGNMENT PROCEDURE

THIS ALIGNMENT PROCEDURE IS USED TO ADJUST / TEST THE PICTURE PERFORMANCE IN ORDER TO OBTAIN OPTIMUM CONDITIONS THE FOLLOWING SEQUENCE MUST BE FOLLOWED.

- * WARM UP FOR 30 MINUTES BEFORE PERFORMING EVERY TEST AND ALIGNMENT, CRT FACES TO EAST, ROOM BRIGHTNESS IS TO BE AT 500 LUX. MAKE SURE THE ANALOG SIGNAL LEVEL IS AT 0.7 Vp-p AND THEN INPUT THE SIGNAL.
- * THE FOLLOWING IS THE INITIAL SET UP BEFORE THE AUTO ALIGNMENT.

(a) PRE-CHECK AND ADJUSTMENT

1. ADJUSTMENT OF THE HIGH VOLTAGE :
   a. INPUT 79KHZ(1280x1024)CROSS HATCH PATTERN, PRESS "6500" BUTTON OF THE FRONT CONTROL MEMBRANE SWITCH ONCE.
   b. SET BOTH CONTRAST AND BRIGHTNESS LEVEL TO MAXIMUM.VERIFY IF THE HIGH VOLTAGE READS 27KV +/- 0.2KV,OTHERWISE ADJUST VRP1.
2. G1 VOLTAGE SET-UP :
   a. INPUT 59KHZ 1024x768 CROSS HATCH PATTERN.
   b. SET BOTH CONTRAST AND BRIGHTNESS LEVEL TO MAXIMUM.VERIFY IF THE G1 VOLTAGE READS -45V +/- 0.5V,OTHERWISE ADJUST VR305.
3. X-RAY CHECK:
   a. INPUT 59KHZ 1024x768 CROSS HATCH PATTERN.
   b. PARALLEL ON 27KR RESISTOR TO R325.THE SCREEN DISPLAY SHALL BE DISAPPEAR.
   c. POWRE OFF THE U.U.T AND REMOVE 27KR RESISTOR.
   d. POWER ON THE U.U.T AGAIN.THE U.U.T SCREEN SHALL BE DISPLAY.
4. A.C.L. CIRCUIT SET-UP :
   a. INPUT 59KHZ 1024x768 FULL WHITE PATTERN.
   b. ADJUST VR304,THE SCREEN DISPLAY SHALL BE CHANGED.THEN TURNING VR304 COUNTERCLOOCKWISE UNTIL IT REACHES THE END.
5. HORIZONTAL AND VERTICAL SIZE PRE-ALIGNMENT:
   a. INPUT 79.976KHZ(1280*1024) FULL WHITE PATTERN.
   b. PRESS THE "HORIZONTAL" SIZE KEY,ADJUST PICTURE SIZE TO MAXMUM. THEN ADJUST VR306 GET THE HORIZONAL SIZE EQUAL TO FULL SCREEN (380mm).
   c. INPUT 31.47KHZ(640*350) FULL WHITE PATTERN.
   d. PRESS THE "VERTICAL" SIZE KEY,ADJUST PICTURE SIZE TO MAXMUM. THEN ADJUST VR201 GET THE VERTICAL SIZE EQUAL TO FULL SCREEN (280mm).
6. POWER SAVING VERIFICATION:
   a. INPUT 59KHZ 1024*768 TIMING.
   b. SWITCH OFF H-SYNC SIGNAL FROM THE SIGNAL INTERFACE BOX.THE POWER INDICATOR LED SHALL CHANGE THE EMITTING COLOR FROM GREEN TO ORANGE. SWITCH ON THE H-SYNC SIGNAL AGAIN.
   c. SWITCH OFF V-SYNC SIGNAL. THE LED SHALL CHANGE THE EMITTING COLOR FROM GREEN TO ORANGE. SWITCH ON THE V-SYNC SIGNAL AGAIN.
   d. SWITCH OFF BOTH H AND V SYNC SIGNALS. THE LED SHALL CHANGE THE EMITTING COLOR FROM GREEN TO ORANGE.SWITCH ON BOTH H AND V SYNC SIGNALS AGAIN.

9.SELF TEST CHECK:
   a. PULL OUT THE I/O CABLE,THEN PUSH THE SELF TEST SWITCH TO ON.THE PICTURE SHALL BE DISPLAY ON C.R.T.(FULL WHITE)
   b. PRESS"EXT-CONTRAST"KEY THE FULL WHITE BRIGHTNESS MUST BE CHANGE.
   c. THE SELF TEST CHECKED IS OK,THEN TURN BACK THE SELF TEST SWITCH TO OFF.

(b) WHITE BALANCE AND BRIGHTNESS ADJUSTMENT:(FOR WHITE BALANCE MANUAL ADJUST USE ONLY)

1. CONNECT SIGNAL I/O CABLE FROM U.U.T TO SIGNAL INTERFACE BOX.POWER ON THE U.U.T.
2. CONNECT I2C BUS CABLE FROM PC-COMPUTER TO I2C CONNECTOR P809 ON THE D.M.C DAUGHTER BOARD OF THE U.U.T.
3. FIRMWARE DOWNLOAD:(FOR FIRMWARE UPDATE ONLY)
   a. PRESS "F2" COMMAND KEY FROM THE KEYBOARD ONCE AND WAIT UNTIL THE "LOADING" DECAL DISAPPEARS FROM THE SCREEN.
   b. PRESS "ENTER" KEY TWICE AND WAIT UNTIL THE MAIN ALIGNMENT MENU POPS UP ON THE SYSTEM SCREEN.
   c. RECYCLE THE POWER ON/OFF SWITCH OF THE U.U.T TO WRITE DATA TO EEPROM.
4. RASTER CENTERING ADJUSTMENT:(FOR RASTER IS NOT IN THE CENTER OF THE BEZEL ONLY)
   a. PRESS "CTRL" AND "F1" COMMAND KEYS SIMULTANEOUSLY. IF THE FIRMWARE REVISION OF THE U.U.T IS CORRECT,VDY4 WAVEFORM WILL POP UP ON THE SYSTEM SCREEN. OTHERWISE,A "WRONG FIRMWARE" DECAL WILL POP UP INSTEAD.
   b. UTILIZE "INSERT"(+1),"DELETE"(-1),"HOME"(+5), AND "END"(-5) KEYS TO ALIGN THE RASTER IN THE HORIZONTAL DIRECTION.

c.PRESS "F8" COMMAND KEY ONCE TO SAVE THE CHANGE.
d.PREES "8" NUMBERICAL KEY ONCE AND REPEAT THE ABOVE STEPS TO ALIGN THE RASTER IN THE VERTICAL DIRECTION.
e.PRESS "F8" COMMAND KEY ONCE TO SAVE THE CHANGE.
f.PRESS "ESC" COMMAND KEY ONCE TO RETURN TO THE MAIN MENU.

5. USE DEGAUSSING COIL TO DEMAGNETIZE THE C.R.T FACE OF THE U.U.T.

6. VST1--VST8 SET-UP :
VST7,8 VOLTAGE HI(FF), VST4,5,6 VOLTAGE IS 1V (MEANS R,G,B DC VALUE SET UP); VST 1,2,3 VOLTAGE IS 2V (MEANS R,G,B GAIN SET UP)

7. B GUN CATHODE AMPLITUDE
a. INPUT MAIN TIMING AS BELOW TABLE.AND COLOR GREY LEVEL PATTERN.

MODE TIMING		2082G-1		2082G-2
MAIN TIMING	59KHZ(1024*768)	61KHZ(1024*768)	59KHZ(1024*768)	79KHZ(1280*1024

b.ADJUST THE EXT. BRI. KEY TO MIN.; THEN ADJUST THE EXT. CONTRAST KEY TO MAX.
c.ADJUST VR303 UNTIL THE AMPLITUDE IS AT 38 Vp-p.

8. BRIGHTNESS OF RASTER SET-UP :
ADJUST THE EXT. BRI.KEY TO MAX.; AND ADJUST THE SCREEN VR UNTIL GET THE RASTER BRIGHTNESS IS APP. 1FL.

9. 6500 k WHITE BALANCE ADJUSTMENT:
HIGH/LOW BRIGHTNESS COLOR TEMPERATURE ALIGNMENT :
a. LOAD VST1--6 VALUE.
b. INPUT MAIN TIMING AS BELOW TABLE.

MODE TIMING		2082G-1		2082G-2
MAIN TIMING	59KHZ(1024*768)	61KHZ(1024*768)	59KHZ(1024*768)	79KHZ(1280*1024

ADJUST VST7 UNTIL THE RASTER BRIGHTNESS IS APP. 0.08 FL.
ADJUST VST8 UNTIL 2" SQUARE BRIGHTNESS IS AT 2 FL.
ADJUST VST4,5 UNTIL x = 0.313 ± 0.01, y = 0.329 ± 0.01.
c. ADJUST VST7 UNTIL THE RASTER BRIGHTNESS IS AT 0.08 FL.
ADJUST VST8 TO MAX.
ADJUST VST1,2 UNTIL x = 0.313 ± 0.01, y = 0.329 ± 0.01.
d. REPEAT THE ALIGNMENT ACCORDING TO b & c PROCEDURE,UNTIL THE PICTURE BRIGHTNESS x = 0.313 ± 0.01, y = 0.329 ± 0.01.

10. 9300k WHITE BALANCE ADJUSTMENT:
HIGH/LOW BRIGHTNESS COLOR TEMPERATURE ALIGNMENT :
a. LOAD VST1--6 VALUE.
b. INPUT MAIN TIMING AS BELOW TABLE.

MODE TIMING		2082G-1		2082G-2
MAIN TIMING	59KHZ(1024*768)	61KHZ(1024*768)	59KHZ(1024*768)	79KHZ(1280*1024

ADJUST VST7 UNTIL THE RASTER BRIGHTNESS IS APP. 0.08 FL.
ADJUST VST8 UNTIL 2" SQUARE BRIGHTNESS IS AT 2 FL.
ADJUST VST4,6 UNTIL x = 0.281 ± 0.01, y = 0.311 ± 0.01.
c. ADJUST VST7 UNTIL THE RASTER BRIGHTNESS IS AT 0.08 FL.
ADJUST VST8 TO MAX.
ADJUST VST1,3 UNTIL x = 0.283 ± 0.01, y = 0.298 ± 0.01.
d. REPEAT THE ALIGNMENT ACCORDING TO b & c PROCEDURE,UNTIL THE PICTURE BRIGHTNESS x = 0.283 ± 0.01, y = 0.298 ± 0.01.

11. MAIN TIMING AS BELOW TABLE.

MODE TIMING		2082G-1		2082G-2
MAIN TIMING	59KHZ(1024*768)	61KHZ(1024*768)	59KHZ(1024*768)	79KHZ(1280*1024

a. RASTER CENTERING: ADJUST VDY4(H-DC), VDY8(V-DC), UNTIL THE RASTER IS AT THE CENTER OF THE BEZEL.
b. V-PHASE: PLACE THE VERTICAL PICTURE IN THE CENTER OF THE RASTER.
c. V-SIZE: MAKE THE VERTICAL HEIGHT APP. 270mm.
d. PINCUSHION GAIN: MAKE THE PICTURE TO BE A STRAIGHT LINE.
e. H-PHASE: CENTER THE PICTURE ON THE BEZEL, | L-R | ≤ 2 mm.
f. H-SIZE: MAKE THE HORIZONTAL WIDTH 360 ± 3 mm.
g. PINCUSHION PHASE/BALANCE/WAVEFORM: PINCUSHION DISTORTION,MAKE THE PICTURE, H ≤ 1.5 mm.
h. V-LINEARITY:ADJUST VDY1 UNTIL THE VERTICAL LINE IS LESS THAN 7.5%
i. V-SIZE: MAKE THE VERTICAL HEIGHT 270 ± 3 mm.

12. BRIGHTNESS ADJUSTMENT:
a. INPUT MAIN TIMING AS BELOW TABLE.

MODE TIMING		2082G-1		2082G-2
MAIN TIMING	59KHZ(1024*768)	61KHZ(1024*768)	59KHZ(1024*768)	79KHZ(1280*1024

b. PRESS "6500" BUTTON OF THE CONTROL MEMBRANE SWITCH ONCE

c. ADJUST THE EXT. "BRIGHTNESS" KEY AND "CONTRAST" KEY TO MAX. THEN ADJUST THE SCREEN VR ON THE FBT OF THE U.U.T TO MAKE THE ANALYZER READS BETWEEN 0.9-1.5 FL.

d. ADJUST THE EXT. "BRIGHTNESS" KEY UNTIL,SET-UP THE RASTER BRIGHTNESS IS 0.08 FL.

e. INPUT FULL WHITE PATTERN, ADJUST EXT. "CONTRAST" KEY TO MAX. THEN ADJUST VR303 UNTIL TO MAKE THE DISPLAY CENTER BRIGHTNESS IS 32 FL ± 1 FL.

f. INPUT FULL WHITE PATTERN, ADJUST EXT. "CONTRAST & BRIGHTNESS" KEY TO MAX. THEN ADJUST VR304 UNTIL TO MAKE THE DISPLAY CENTER BRIGHTNESS IS 35FL ± 1 FL.

(c) WHITE BALANCE AND BRIGHTNESS ADJUSTMENT:(FOR WHITE BALANCE AUTO-ADJUST USE ONLY)

1. CONNECT SIGNAL I/O CABLE FROM U.U.T TO SIGNAL INTERFACE BOX.POWER ON THE U.U.T.
2. CONNECT I2C BUS CABLE FROM PC-COMPUTER TO I2C CONNECTOR P809 ON THE D.M.C DAUGHTER BOARD OF THE U.U.T.
3. FIRMWARE DOWNLOAD:(FOR FIRMWARE UPDATE ONLY)
   a. PRESS "F2" COMMAND KEY FROM THE KEYBOARD ONCE AND WAIT UNTIL THE "LOADING" DECAL DISAPPEARS FROM THE SCREEN.
   b. PRESS "ENTER" KEY TWICE AND WAIT UNTIL THE MAIN ALIGNMENT MENU POPS UP ON THE SYSTEM SCREEN.
   c. ~~RECYCLE THE POWER ON/OFF SWITCH OF THE U.U.T~~ TO WRITE DATA TO EEPROM.
4. RASTER CENTERING ADJUSTMENT:(FOR RASTER IS NOT IN THE CENTER OF THE BEZEL ONLY)
   a. PRESS "CTRL" AND "F1" COMMAND KEYS SIMULTANEOUSLY. IF THE FIRMWARE REVISION OF THE U.U.T IS CORRECT,VDY4 WAVEFORM WILL POP UP ON THE SYSTEM SCREEN. OTHERWISE,A "WRONG FIRMWARE" DECAL WILL POP UP INSTEAD.
   b. UTILIZE "INSERT"(+1),"DELETE"(-1),"HOME"(+5), AND "END"(-5) KEYS TO ALIGN THE RASTER IN THE HORIZONTAL DIRECTION.
   c. PRESS "F8" COMMAND KEY ONCE TO SAVE THE CHANGE.
   d. PREES "8" NUMBERICAL KEY ONCE AND REPEAT THE ABOVE STEPS TO ALIGN THE RASTER IN THE VERTICAL DIRECTION.
   e. PRESS "F8" COMMAND KEY ONCE TO SAVE THE CHANGE.
   f. PRESS "ESC" COMMAND KEY ONCE TO RETURN TO THE MAIN MENU.
5. USE DEGAUSSING COIL TO DEMAGNETIZE THE C.R.T FACE OF THE U.U.T.
6. WHITE BALANCE ADJUSTMENT:
   a. HOOK MINOLTA COLOR ANALYZER'S PROBE ON TO THE U.U.T DISPLAY CENTER AND PRESS "F6" COMMAND KEY ONCE TO EXECUTE THE ALIGNMENT PROGRAM.
   b. A SUB-MENU WILL SHOW UP ON THE SCREEN. SELECT"OK" ICON UNDER ITEM "1", THEN ADJUST THE SCREEN VR ON THE F.B.T OF THE U.U.T TO MAKE THE ANALYZER READS BETWEEN 1.5-2.5 FL.PRESS "ENTER" KEY ONCE.
   c. A "PRE-COLOR BALANCE ADJUST OK" WORDING WILL POP OUT ON THE SCREEN. ADJUST THE SCREEN VR ON THE F.B.T OF THE U.U.T TO MAKE THE ANALYZER READS BETWEEN 0.9-1.5 FL. PRESS "ENTER" KEY ONCE,SO THE WORDING WILL DISAPPEAR.
   d. SELECT "OK" ICON UNDER ITEM "2"(WHITE BALANCE ADJUST). PRESS "ENTER" KEY ONCE TO START THE "6500 K" WHITE BALANCE ADJUSTMENT.
   e. A "COLOR BALANCE ADJUSTMENT OK" WORDING WILL POP OUT ON THE SCREEN. PRESS "ENTER"KEY ONCE TO FINISH THE "6500 K" WHITE BALANCE ADJUSTMENT.
   f. SELECT "OK" ICON UNDER ITEM "3"(SECOND WHITE BALANCE ADJUST). PRESS "ENTER" KEY ONCE TO START THE "9300 K" WHITE BALANCE ADJUSTMENT.
   g. A "COLOR BALANCE ADJUSTMENT OK" WORDING WILL POP OUT ON THE SCREEN. PRESS "ENTER"KEY ONCE TO FINISH THE "9300 K" WHITE BALANCE ADJUSTMENT.
   h. A "COLOR BALANCE ADJUSTMENT OK & WRITE EPROM" WORDING WILL POP OUT ON THE SCREEN. PRESS "ENTER" AND "ESC" KEY CONTIGUOUSLY TO EXIT THE PROGRAM.
   i. RECYCLE THE POWER ON/OFF SWITCH OF THE U.U.T TO WRITE DATA INTO EEPROM

7. DATA DISPLAY SIZE SET UP:
   USE FRONT CONTROL MEMBRANCE SWITCH TO SET THE DISPLAY SIZE TO 360MM*270 MM,VERTICAL AND HORIZONTAL RESPECTIVELY. DON'T PRESS "RECALL" BUTTON AT THIS MOMENT.
8. 6500 K BRIGHTNESS SET UP AND 6500 K/9300 K WHITE BALANCE VERIFICATION:
   a. INPUT MAIN TIMING AS BELOW TABLE.

MODE TIMING		2082G-1		2082G-2
MAIN TIMING	59KHZ(1024*768)	61KHZ(1024*768)	59KHZ(1024*768)	79KHZ(1280*1024

b. PRESS 6500 K BUTTON ON THE FRONT CONTROL MEMBRANCE SWITCH.

c. SELECT "OK" ICON UNDER ITEM "4" (RASTER/2" PATTERN/WHITE PATTERN). PRESS "ENTER" KEY ONCE. THE FOLLOWING CHART IS TO BE USED TO VERIFY THE SETTING AND THE ADJUSTMENT.

ITEM	ADJUST NAME	PATTERN	BRI.*	CONT.	ADJUST	SPEC
1	RASTER BRI.	RASTER	MAX.	MAX.	SCREEN VR	0.9FL-1.5FL
2	RASTER BRI.	RASTER	-	-	EXT-BRI.*	0.08FL
3	FULL WHITE BRI.	FULL WHITE	-	MAX.	VR303	32FL ± 1FL
4	FULL WHITE BRI.	FULL WHITE	MAX.	MAX.	VR304	35FL ± 1FL
5	W/B CHECK(6500 K)	2" SQUARE	-	-	EXT-CONT.	2FL X:313±10 Y:329±10
6	W/B CHECK(6500 K)	2" SQUARE	-	-	EXT-CONT.	MAX.X:313±10 Y:329±10
7	W/B CHECK(9300 K)	2" SQUARE	-	-	EXT-CONT.	2FL X:283±10 Y:298±10
8	W/B CHECK(9300 K)	2" SQUARE	-	-	EXT-CONT.	MAX X:283±10 Y:298±10
9	29FL SET-UP	FULL WHITE	-	-	EXT-CONT.	29FL ± 1FL

(d) MISCONVERGENCE AND FOCUS AND TILT ADJUSTMENT:

NOTE:

- * WARM UP U.U.T WITH BLACK BOX FOR AT LEAST 30 MINUTES.
- * C.R.T NECK FACES EARTH WEST.
- * MAGNETIC FIELD CHECK.

1. CONNECT SIGNAL I/O CABLE FROM U.U.T TO SIGNAL INTERFACE BOX. POWER ON THE U.U.T.
2. FOCUS VERIFICATION:
   a. INPUT 79KHZ(1280*1024)OF THE TIMING,SELECT FULL WHITE PATTERN.
   b. PRESS "EXT-BRI." BUTTON OF THE FRONT CONTROL MEMBRANCE SWITCH TO ADJUST THE RASTER DISAPPEARS.
   c. PRESS "EXT-CONTRAST" BUTTON OF THE FRONT CONTROL MEMBRANCE SWITCH TO ADJUST THE BRIGHTNESS IS 29 FL.
   d. SELECT "a" CHARACTER REVERSE PATTERN. IF FOCUS IS NOT GOOD,ADJUST FOCUS VR.
3. TILT ADJUSTMENT:
   a. INPUT 79KHZ(1280*1024) OF THE TIMING,SELECT CROSS HATCH PATTERN.
   b. PRESS "TILT" BUTTON OF THE FRONT CONTROL MEMBRANCE SWITCH ONCE. PRESS "+" OR "-" BUTTON WHILE THE LED IS STILL LID TO ADJUST THE TILT TO LESS THAN 1mm.
4. MISCONVERGENCE ADJUSTMENT:
   a. INPUT 79KZ(1280*1024) OF THE TIMING,SELECT FULL WHITE PATTERN.
   b. ADJUST THE EXT-BRI.KEY UNTIL THE RASTER DISAPPEARS. THEN ADJUST THE EXT-CONTRAST KEY UNTIL THE BRIGHTNESS IS 27 FL.
   c. CHANGE THE PATTERN TO CROSS HATCH PATTERN.
   d. USE KLEIN GAUGE TO VERIFY THE MISCONVERGENCE BETWEEN R/G,R/B, AND G/B IS IN THE SPEC. (A AREA ≤ 0.3mm,B AREA ≤ 0.4mm)
   e. CORRECT THE MISCONVERGENCE BY USING A SMALL MAGNETIC STRIP OR BY ADJUSTING MAGNETIC 4 POLES ON THE YOKE.

5. EACH OF THE FOCUS VR,SCREEN VR,AND 4 POIES AND VR OF THE YOKE NEEDS TO PUT A WHITE DOT PAINT. EACH SMALL MAGNETIC STRIP AND MAGNETIC METAL NEEDS TO PUT A YELLOW BOND.

(e) PER-CHECK FOR C.A.S ALIGNMENT BEFOR:

1. CONFIRMATION OF IMAGE PERFORMACE :
   INPUT EACH A/C's TIMING (HxV = 10x8 CROSS HATCH PATTERN).
   CONFIRM ITEM BY ITEM AS FOLLOWS:
   a. HORIZONTAL LINEARITY: H ≤ 10 %.
      CALCULATION: $|$ max. - min. / max. $|$ x 100% ≤ 10 %
   b. CONFIRM THE FUNTION OF THE RECALL BUTTON:
      ADJUST THE H/V PHASE AND THE H/V SIZE TO ANY POSITION, PRESS THE RECALL BUTTON, THEN CHECK THAT THE IMAGE PERFORMANCE IS IN ACCORDANCE WITH THE SPEC. IF YES, THIS MEANS THE RECALL BUTTON IS O.K.
2. BRIGHTNESS UNIFORMITY CONFIRMATION:
   a. INPUT 59KHZ 1024x768 OF TIMING. SELECT 2" SQUARE PATTERN.
   b. ADJUST THE EXT. BRI.KEY TO MAX.
   c. ADJUST THE EXT. CONTRAST KEY UNTIL THE CENTER BRIGHTNESS IS 40 FL,THE BRIGHTNESS OF ANY POSITION OF CRT MUST NOT BE LESS THAN 65 % OF THE CENTER BRIGHTNESS.
3. STABILITY OF THE DISPLAY SIZE CONFIRMATION:
   a. INPUT 59KHZ 1024x768 OF TIMING. SELECT FULL WHITE PATTERN.
   b. ADJUST THE EXT-BRI. KEY TO 5FL AND THEN 29FL. THIS MUST NOT CAUSE A DIFFERENCE GREATER THAN 1.5 mm.
4. PURITY CONFIRMATION:
   a. INPUT MAIN TIMING AS BELOW TABLE,AND SELECT FULL WHITE PATTERN.

MODE TIMING		2082G-1		2082G-2
MAIN TIMING	59KHZ(1024*768)	61KHZ(1024*768)	59KHZ(1024*768)	79KHZ(1280*1024

b. ADJUST THE EXT-BRI. KEY UNTIL THE RASTER DISAPPEARS. THEN ADJUST THE EXT-CONTRAST KEY UNTIL THE BRIGHTNESS IS 25 FL. USE VISUAL INSPECTION TO CONFIRM THE PURITY OF EACH R.G.B. AS FOLLOWS:

a. WHEN ONLY INPUTING R, MUST NOT APPEAR G.B.
b. WHEN ONLY INPUTING G, MUST NOT APPEAR R.B.
c. WHEN ONLY INPUTING B, MUST NOT APPEAR R.G.

5. VIDEO NOISE CONFIRMATION:
INPUT MAIN TIMING AS BELOW TABLE,AND SELECT CROSS HATCH PATTERN OR FULL WHITE PATTERN, CHECK BY VISUAL INSPECTION FROM A DISTANCE OF 19 INCHS, WHETHER THE PICTURE HAS VIDEO NOISE OR NOT.

MODE TIMING	-	2082G-1	-	2082G-2
MAIN TIMING	59KHZ(1024*768)	61KHZ(1024*768)	59KHZ(1024*768)	79KHZ(1280*1024

6. CHECK ALL INTERFACE CABLES ARE WELL CONNECTED AMONG THE PALLET, I2C INTERFACE CARD,AND THE U.U.T DMC I2C CONNECTOR.
7. CLEAN THE C.R.T FACE OF THE U.U.T.
8. PUT THE U.U.T IN THE MARKED AREA ON THE TOP OF THE PALLET.
9. ALIGN THE U.U.T TO PARALLEL WITH THE PALLET.
10. POWER ON THE U.U.T AND BANG THE U.U.T TO FIND OUT IF THE SHOCK NOISE EXISTS.

(f) FOR C.A.S ALIGNMENT:
AFTER PER-CHECK ALL UNIT IS OK,THEN THE UNIT TO AUTO-STATION FOR C.A.S ADJUSTMENT AS BE LOW.

a. ADJUST H/V-RASTER CENTER.
b. ADJUST H/V-PHASE POSITION. | L-R | ≤ 2 mm, | T-B | ≤ 2 mm.
c. ADJUST H/V-SIZE.
THE H/V-SIZE IS 337mm*270mm±3mm FOR 1280*1024 dot rate MODE.
THE H/V-SIZE IS 360mm*270mm ±3mm FOR OTHER MODE.
d. ADJUST GEOMETIRIC OF THE PICTURE IS LESS THAN 2.0mm.
e. ADJUST VERTICAL LINEARITY OF PICTURE IS LESS THAN 7.5%.
| max. - min. / max. | x 100% ≤ 7.5%

DATE	ECN/ECO NO.
04-25-'94	N-04069407E6
06-01-'94	N-05259401E6
07-02-'94	0-06289403ET
08-02-'94	N-07229406E6
09-01-'94	0-08229413ET
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11-01-'94	0-10179410AP
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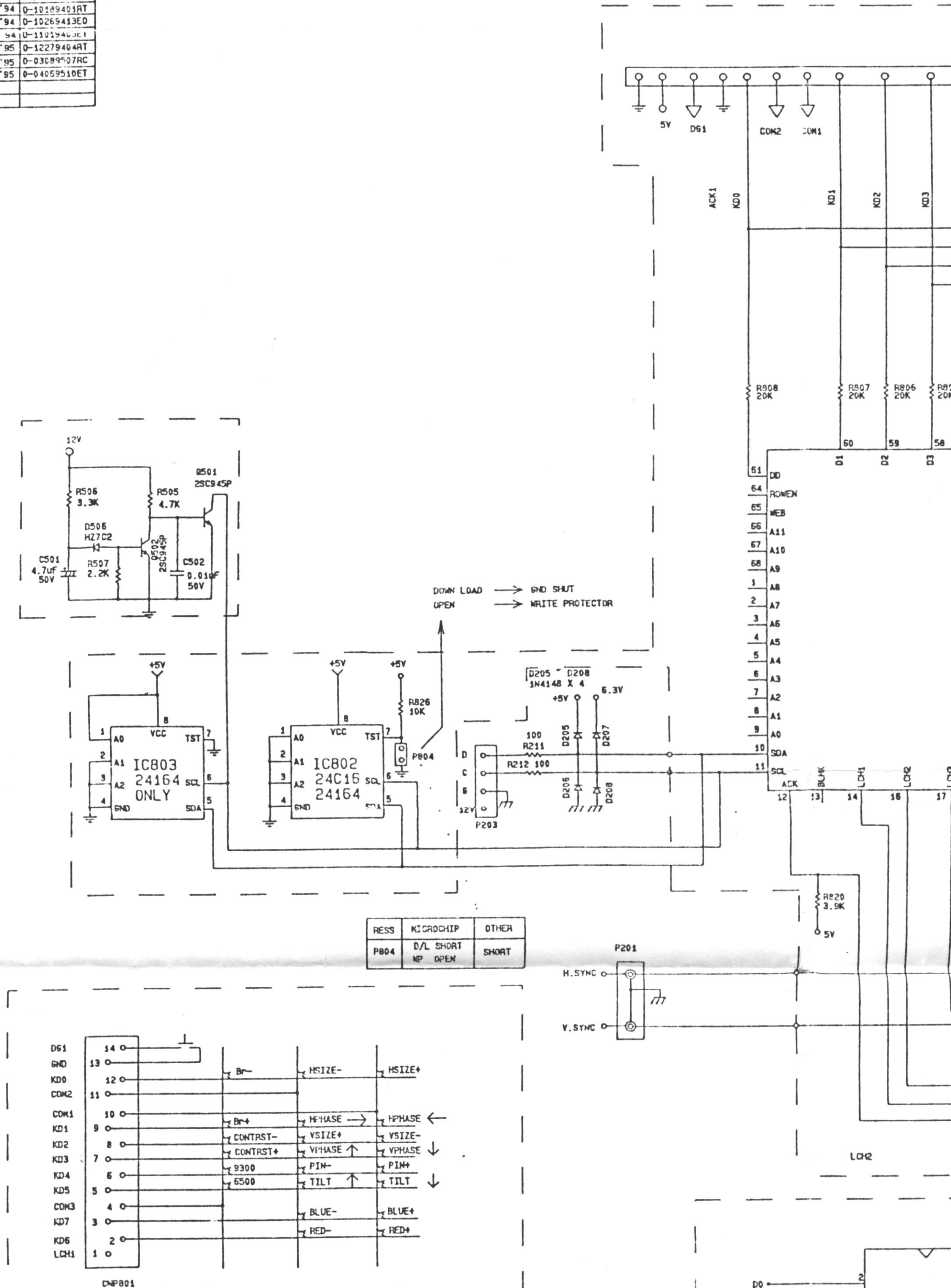
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D1
D2
D3
61 DD
64 ROMEN
65 WEB
66 A11
67 A10
68 A9
1 A8
2 A7
3 A6
4 A5
5 A4
6 A3
7 A2
8 A1
9 A0
10 SDA
11 SCL
12 ACK
13 BLNK
14 LCH1
16 LCH2
17
12V
R506 3.3K
R505 4.7K
Q501 2SC945P
D506 HZ7C2
Q502 2SC945P
C501 4.7uF 50V
R507 2.2K
C502 0.01uF 50V
DOWN LOAD → GND SHUT
OPEN → WRITE PROTECTOR
+5V
IC803 24164 ONLY
A0 A1 A2 GND VCC TST SCL SDA
IC802 24C16 24164
R826 10K
P804
D205 ~ D208 1N4148 X 4
+5V
6.3V
100 R211
R212 100
D205 D206 D207 D208
D C G 12V
P203
R820 3.9K
5V
P201
H.SYNC
V.SYNC
LCH2
DG1
GND
KD0
COM2
COM1
KD1
KD2
KD3
KD4
KD5
COM3
KD7
KD6
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CNP801
Br-
HSIZE-
HSIZE+
Br+
HPHASE →
HPHASE ←
CONTRST-
VSIZE+
VSIZE-
CONTRST+
VPHASE ↑
VPHASE ↓
9300
PIN-
PIN+
6500
TILT ↑
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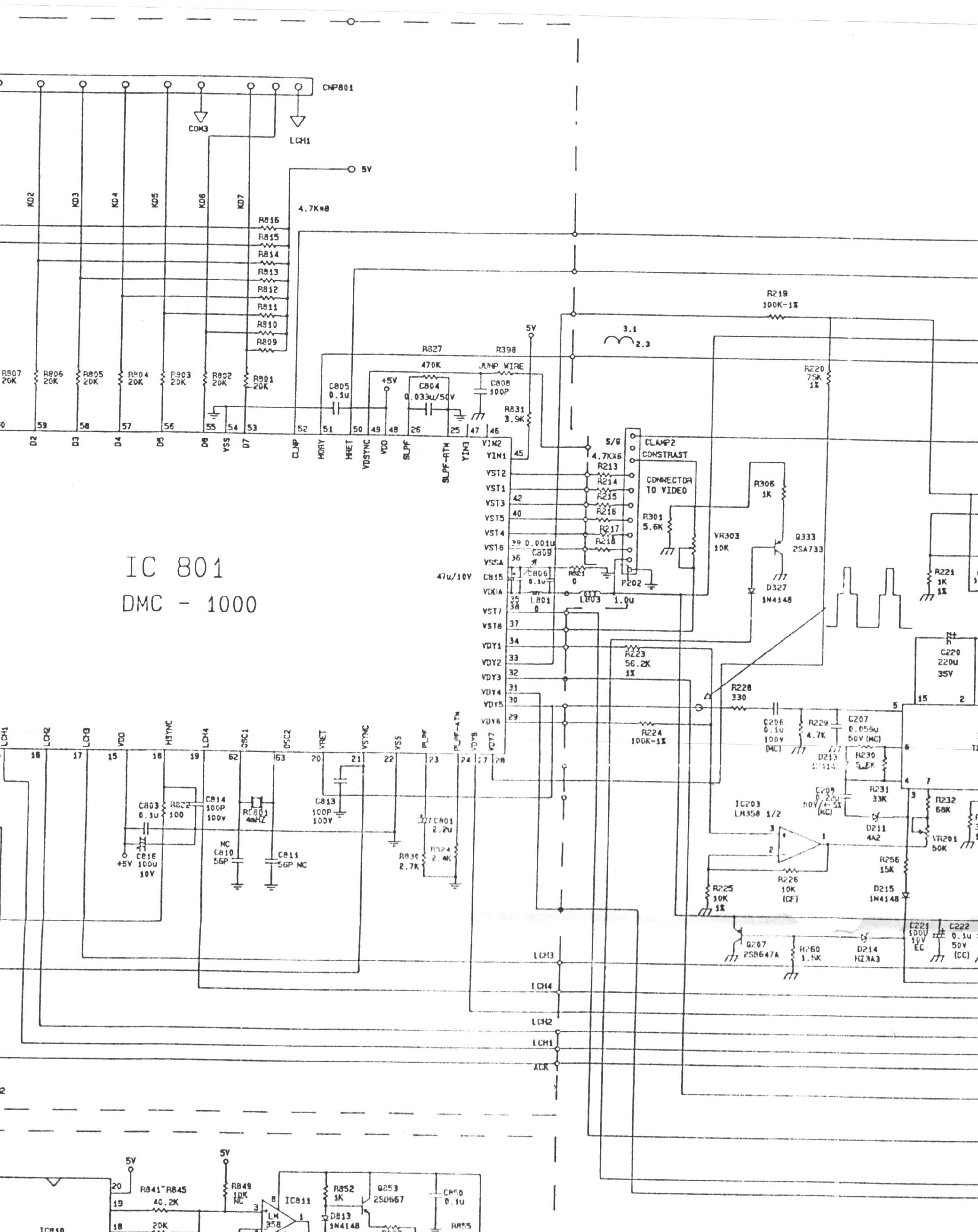
BLUE-
BLUE+
RED-
RED+
D0
2

RESS	MICROCHIP	OTHER
P804	D/L SHORT WP OPEN	SHORT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R813
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R811
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R806 20K
R805 20K
R804 20K
R803 20K
R802 20K
R801 20K
R827
R398
470K
JUMP WIRE
C805 0.1u
+5V
C804 0.033u/50V
C808 100P
R831 3.9K
5V
R219 100K-1%
3.1
2.3
R220 75K 1%
D2
D3
D4
D5
D6
VSS
D7
CLMP
HDRY
HRET
VDSYNC
VDD
SLPF
SLPF-ATM
YIN3
VIN2
VIN1
VST2
VST1
VST3
VST5
VST4
VST6
VSSA
VDDA
VST7
VST8
VDY1
VDY2
VDY3
VDY4
VDY5
VDY6
S/G
4.7KX6
CLAMP2
CONTRAST
R213
R214
R215
R216
R217
R218
CONNECTOR TO VIDEO
R301 5.6K
VR303 10K
R306 1K
Q333 2SA733
D327 1N4148
0.001u C809
C806 0.1u
C815
47u/10V
R821 0
P202
L801 0
L803 1.0u
IC 801
DMC - 1000
R223 56.2K 1%
R228 330
R224 100K-1%
C206 0.1u 100V (MC)
R229 4.7K
C207 0.056u 50V (MC)
D213 1N4148
R230 5.6K
R231 33K
C205 0.22u 50V ±5% (MC)
IC203 LM358 1/2
D211 4A2
R232 68K
VR201 50K
R256 15K
D215 1N4148
R225 10K 1%
R226 10K (CF)
Q207 2SB647A
R260 1.5K
D214 HZ3A3
C221 100U 10V EC
C222 0.1u 50V (CC)
R221 1K 1%
C220 220u 35V
LCH1
LCH2
LCH3
VDD
HSYNC
LCH4
OSC1
OSC2
VRET
VSYNC
VSS
PLPF
PLPF-ATM
VDY8
VDY7
C803 0.1u
R822 100
C814 100P 100V
RC801 4MHZ
C813 100P 100V
C801 2.2u
R824 2.4K
R830 2.7K
NC C810 56P
C811 56P NC
C816 100u 10V
+5V
LCH3
LCH4
LCH2
LCH1
ACK
5V
5V
R841~R845 40.2K
20K
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LM 358
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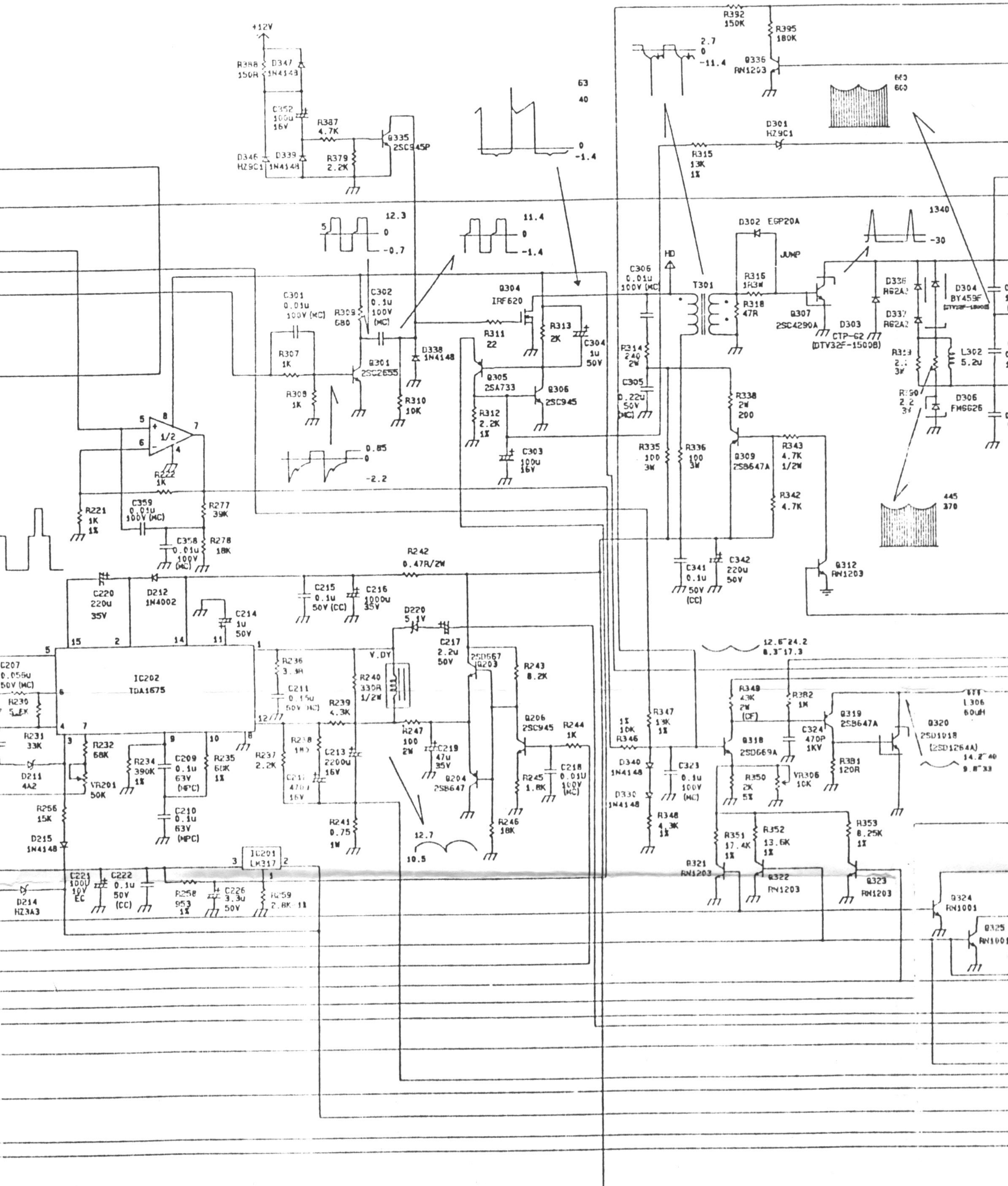
R855
IC810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D347 1N4148
C352 100u 16V
R387 4.7K
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D346 HZ9C1
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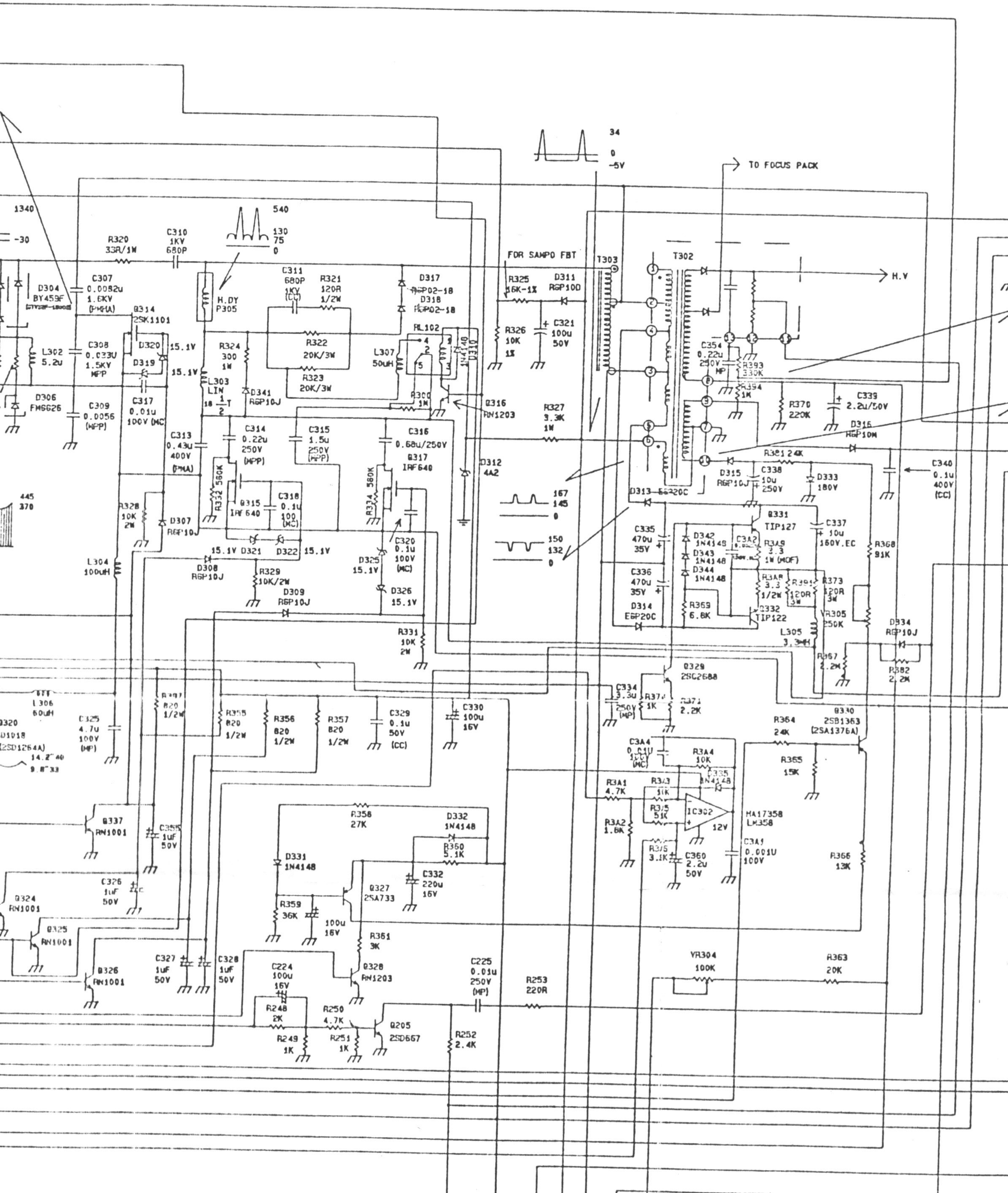
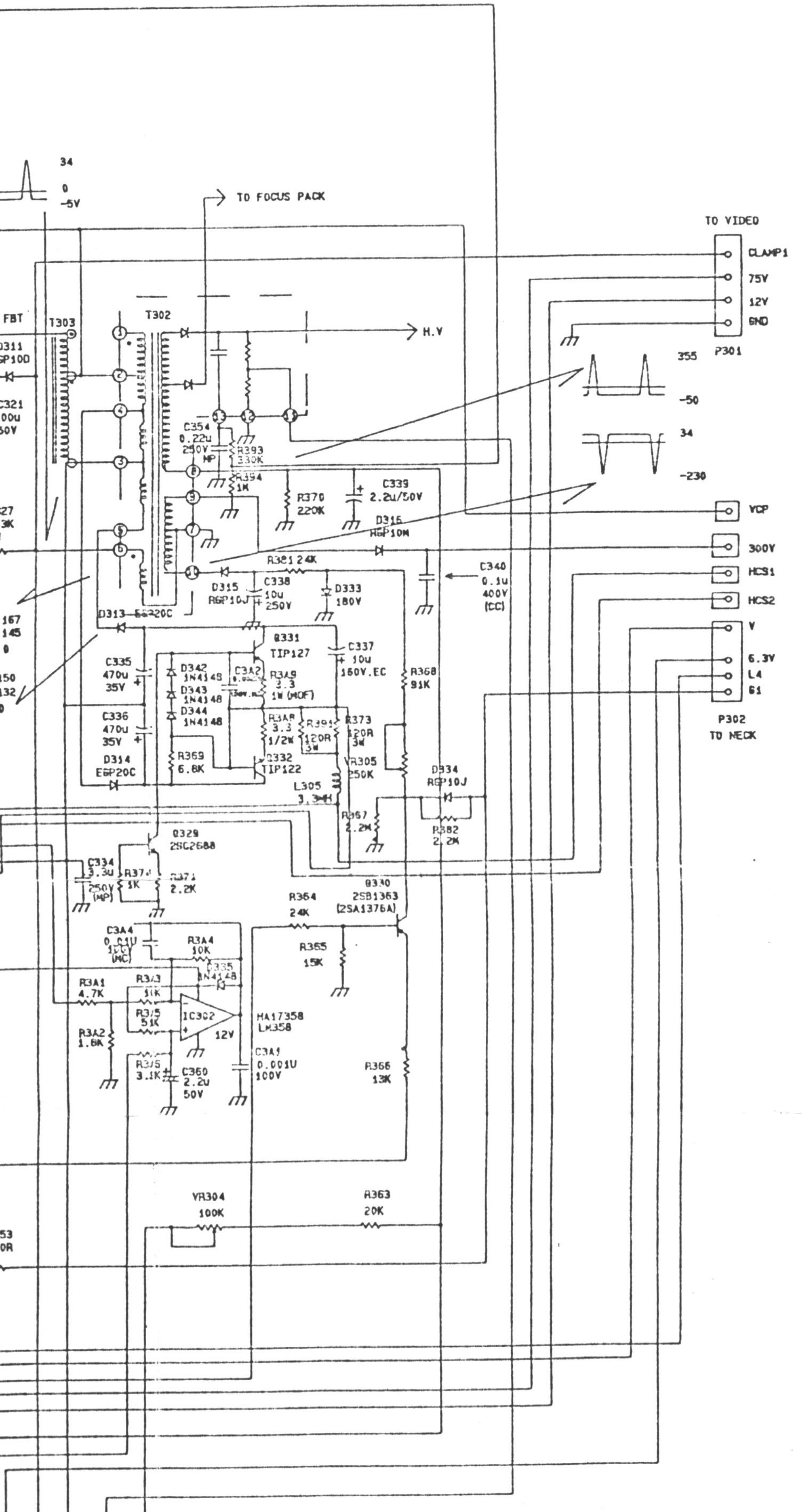
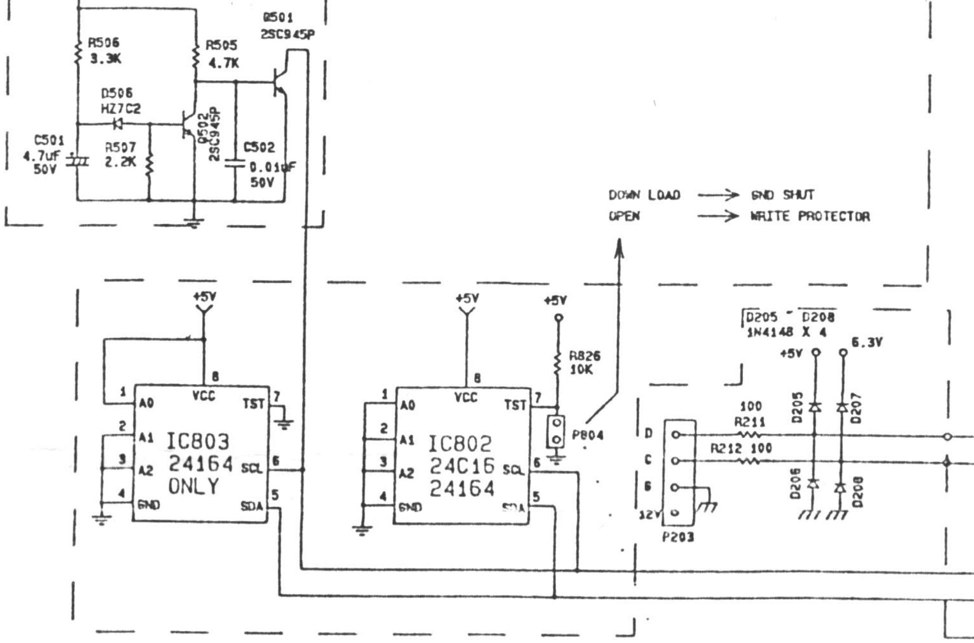
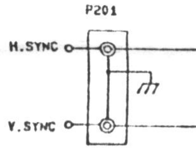
R379 2.2K
63
40
0
-1.4
5
12.3
0
-0.7
11.4
0
-1.4
C301 0.01u 100V (MC)
R309 680
C302 0.1u 100V (MC)
Q304 IRF620
R311 22
R313 2K
C304 1u 50V
R307 1K
Q301 2SC2655
D338 1N4148
R308 1K
R310 10K
Q305 2SA733
Q306 2SC945
R312 2.2K 1%
C303 100u 16V
0.85
0
-2.2
1/2
R222 1K
R221 1K 1%
C359 0.01u 100V (MC)
R277 39K
C358 0.01u 100V (MC)
R278 18K
C220 220u 35V
D212 1N4002
R242 0.47R/2W
C215 0.1u 50V (CC)
C216 1000u 35V
C214 1u 50V
D220 5.1V
C217 2.2u 50V
V.DY
2SD667 Q203
R243 8.2K
C207 0.056u 50V (MC)
IC202 TDA1675
R230 5.6K
R236 3.3R
C211 0.15u 50V (MC)
R240 330R 1/2W
R239 4.3K
Q206 2SC945
R244 1K
R231 33K
R232 68K
R234 390K 1%
C209 0.1u 63V (MPC)
R235 68K 1%
R237 2.2K
R238 1K
C212 470u 16V
C213 2200u 16V
R247 100 2W
C219 47u 35V
Q204 2SB647
R245 1.8K
C218 0.01u 100V (MC)
D211 4A2
VR201 50K
C210 0.1u 63V (MPC)
R241 0.75 1W
R246 18K
R256 15K
D215 1N4148
12.7
10.5
IC201 LM317
C221 100u 10V EC
C222 0.1u 50V (CC)
R258 953 1%
C226 3.3u 50V
R259 2.8K 1%
D214 HZ3A3
R392 150K
R395 180K
2.7
0
-11.4
Q336 RN1203
600
600
D301 HZ9C1
R315 13K 1%
1340
D302 EGP20A
-30
HD
JUMP
C306 0.01u 100V (MC)
T301
R316 1R3W
R318 47R
Q307 2SC4290A
D303 CTP-G2 (DTV32F-1500B)
D336 RG2A
D337 RG2A
D304 BY459F (DTV32F-1500B)
R314 240 2W
C305 0.22u 50V (MC)
R338 2W 200
R319 2.2 3W
R350 2.2 3W
L302 5.2u
D306 FMG626
R335 100 3W
R336 100 3W
Q309 2SB647A
R343 4.7K 1/2W
R342 4.7K
445
370
C341 0.1u 50V (CC)
C342 220u 50V
Q312 RN1203
12.6~24.2
8.3~17.3
R349 43K 2W (CF)
R382 1M
Q319 2SB647A
L306 60uH
Q320 2SD1018 (2SD1264A)
14.2~40
9.8~33
R346 10K 1%
R347 13K 1%
C324 470P 1KV
Q318 2SD669A
R381 120R
D340 1N4148
C323 0.1u 100V (MC)
R350 2K 5%
VR306 10K
D330 1N4148
R348 4.3K 1%
R351 17.4K 1%
R352 13.6K 1%
R353 8.25K 1%
Q321 RN1203
Q322 RN1203
Q323 RN1203
Q324 RN1001
Q325 RN1001

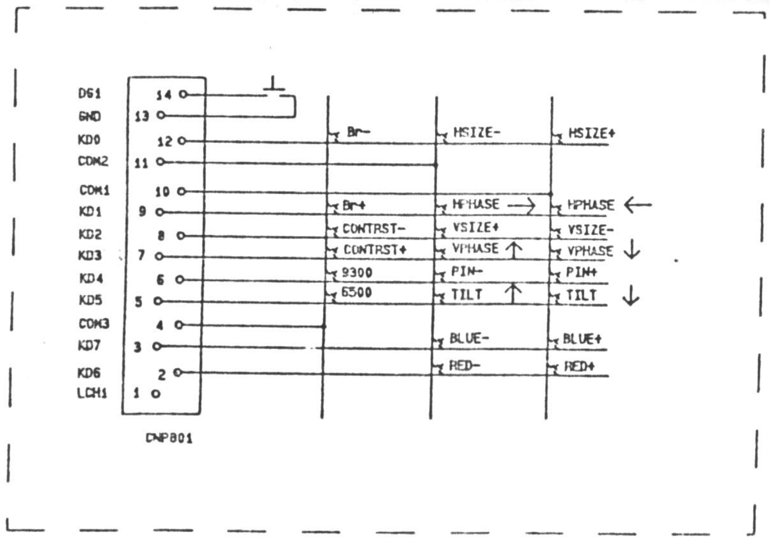

34
0
-5V
TO FOCUS PACK
1340
-30
R320
33R/1W
C310
1KV
680P
540
130
75
0
FOR SAMPO FBT
T303
T302
H.V
C307
0.0082u
1.6KV
(PMMA)
D304
BY459F
Q314
2SK1101
C311
680P
1KV
(CC)
R321
120R
1/2W
D317
RGP02-18
D318
RGP02-18
R325
16K-1%
D311
RGP10D
H.DY
P305
L302
5.2u
C308
0.033U
1.5KV
MPP
D320
D319
15.1V
R324
300
1W
R322
20K/3W
R323
20K/3W
L307
50uH
RL102
1N4148
D310
R326
10K
1%
C321
100u
50V
C354
0.22u
250V
MP
R393
330K
R394
1K
R370
220K
C339
2.2u/50V
D306
FM6626
C309
0.0056
(MPP)
C317
0.01u
100V (MC)
L303
LIN
D341
RGP10J
R300
1W
Q316
RN1203
R327
3.3K
1W
D316
RGP10M
C313
0.43u
400V
(PMMA)
C314
0.22u
250V
(MPP)
C315
1.5u
250V
(MPP)
C316
0.68u/250V
Q317
IRF640
D312
4A2
R381 24K
C340
0.1u
400V
(CC)
445
370
R332 560K
Q315
IRF640
C318
0.1u
100
(MC)
R334 580K
D315
RGP10J
C338
10u
250V
D333
180V
167
145
0
150
132
0
R328
10K
2W
D307
RGP10J
D321
D322
15.1V
C320
0.1u
100V
(MC)
D325
15.1V
D313
EGP20C
Q331
TIP127
C337
10u
160V.EC
R368
91K
L304
100uH
D308
RGP10J
R329
10K/2W
D309
RGP10J
D326
15.1V
C335
470u
35V
D342
1N4148
D343
1N4148
D344
1N4148
C3A2
R3A9
3.3
1W (MOF)
C336
470u
35V
R3A8
3.3
1/2W
R391
120R
3W
R373
120R
3W
R369
6.8K
D314
EGP20C
Q332
TIP122
VR305
250K
D334
RGP10J
R331
10K
2W
L305
3.3mH
R367
2.2K
R382
2.2K
L306
60uH
Q320
D1018
(2SD1264A)
R397
820
1/2W
R355
820
1/2W
R356
820
1/2W
R357
820
1/2W
C329
0.1u
50V
(CC)
C330
100u
16V
C334
3.3u
250V
(MP)
R374
1K
R371
2.2K
Q329
2SC2688
C325
4.7U
100V
(MP)
R364
24K
Q330
2SB1363
(2SA1376A)
C3A4
0.01U
(MC)
R3A4
10K
D335
1N4148
R365
15K
R3A1
4.7K
R3A3
51K
R3A5
51K
IC302
HA17358
LM358
12V
R3A2
1.8K
Q337
RN1001
C355
1uF
50V
R358
27K
D332
1N4148
R360
5.1K
D331
1N4148
C332
220u
16V
R3A6
3.1K
C360
2.2u
50V
C3A3
0.001U
100V
R366
13K
C326
1uF
50V
Q324
RN1001
Q325
RN1001
Q327
2SA733
R359
36K
100u
16V
R361
3K
Q326
RN1001
C327
1uF
50V
C328
1uF
50V
C224
100u
16V
R248
2K
R249
1K
Q328
RN1203
R250
4.7K
R251
1K
Q205
2SD667
C225
0.01u
250V
(MP)
R252
2.4K
R253
220R
VR304
100K
R363
20K

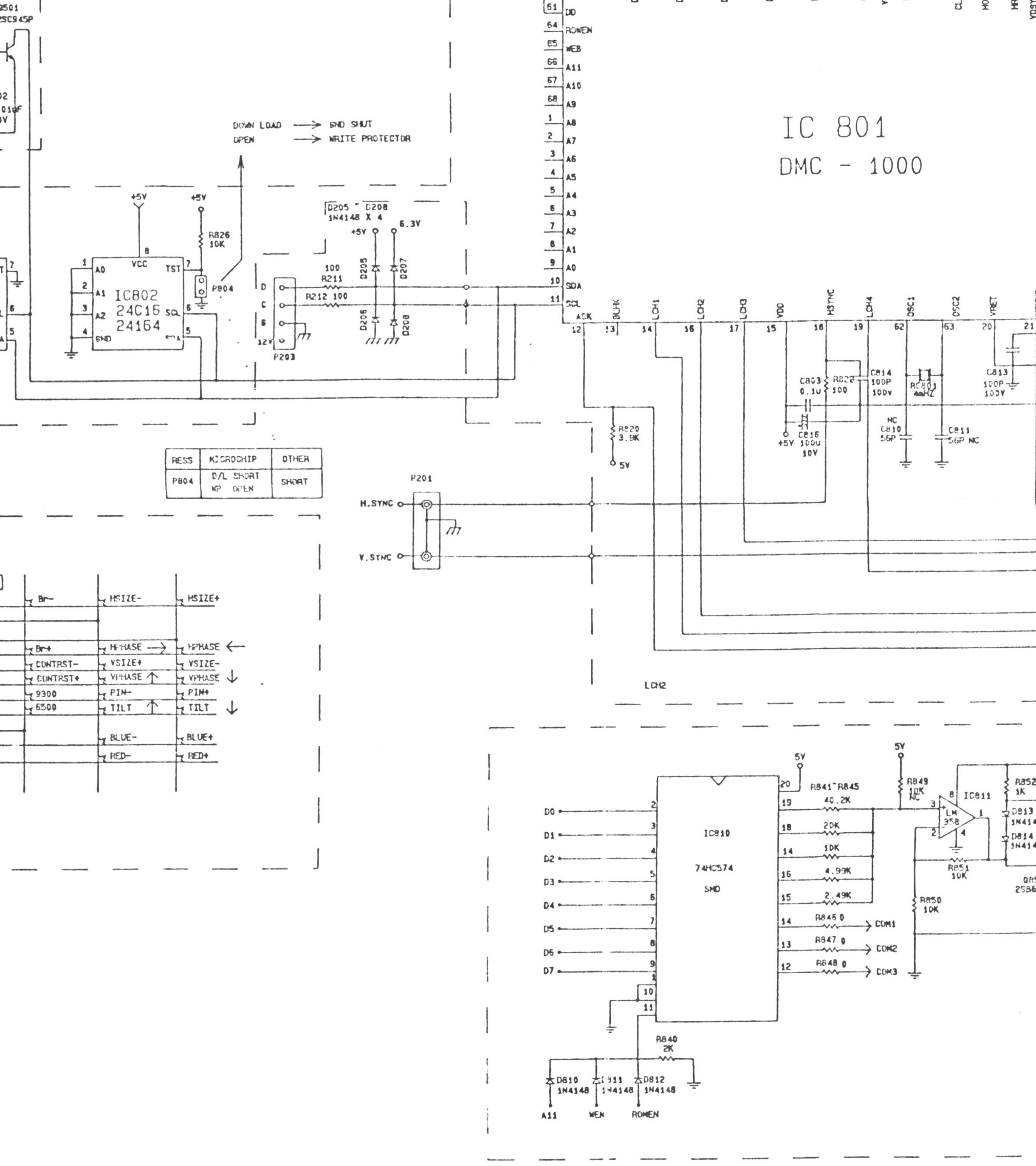

34
0
-5V
TO FOCUS PACK
TO VIDEO
CLAMP1
75V
12V
GND
P301
FBT
T303
T302
D311
EGP10D
C321
100u
50V
H.V
355
-50
34
-230
C354
0.22u
250V
MP
R393
330K
R394
1K
R370
220K
C339
2.2u/50V
D316
RGP10M
VCP
300V
HCS1
HCS2
V
6.3V
L4
G1
P302
TO NECK
R381 24K
C340
0.1u
400V
(CC)
D315
RGP10J
C338
10u
250V
D333
180V
D313
EGP20C
167
145
0
150
132
0
C335
470u
35V
C336
470u
35V
D314
EGP20C
D342
1N4148
D343
1N4148
D344
1N4148
C3A2
R3A9
3.3
1W (MOF)
Q331
TIP127
C337
10u
160V.EC
R368
91K
R3A8
3.3
1/2W
R391
120R
3W
R373
120R
3W
R369
6.8K
Q332
TIP122
VR305
250K
L305
3.3mH
D334
RGP10J
R367
2.2K
R382
2.2K
Q329
2SC2688
C334
3.3u
250V
(MP)
R374
1K
R371
2.2K
R364
24K
Q330
2SB1363
(2SA1376A)
R365
15K
C3A4
0.01U
100V
(MC)
R3A4
10K
D335
1N4148
R3A1
4.7K
R3A3
51K
R375
51K
IC302
HA17358
LM358
12V
R3A2
1.8K
R376
3.1K
C360
2.2u
50V
C3A1
0.001U
100V
R366
13K
VR304
100K
R363
20K
R353
0R


Q501
2SC945P
R506
3.3K
R505
4.7K
D506
HZ7C2
Q502
2SC945P
C501
4.7uF
50V
R507
2.2K
C502
0.01uF
50V
DOWN LOAD → GND SHUT
OPEN → WRITE PROTECTOR
+5V
IC803
24164
ONLY
A0
A1
A2
GND
VCC
TST
SCL
SDA
IC802
24C16
24164
R826
10K
P804
D205 ~ D208
1N4148 X 4
6.3V
100
R211
R212 100
D205
D206
D207
D208
D
C
G
12V
P203

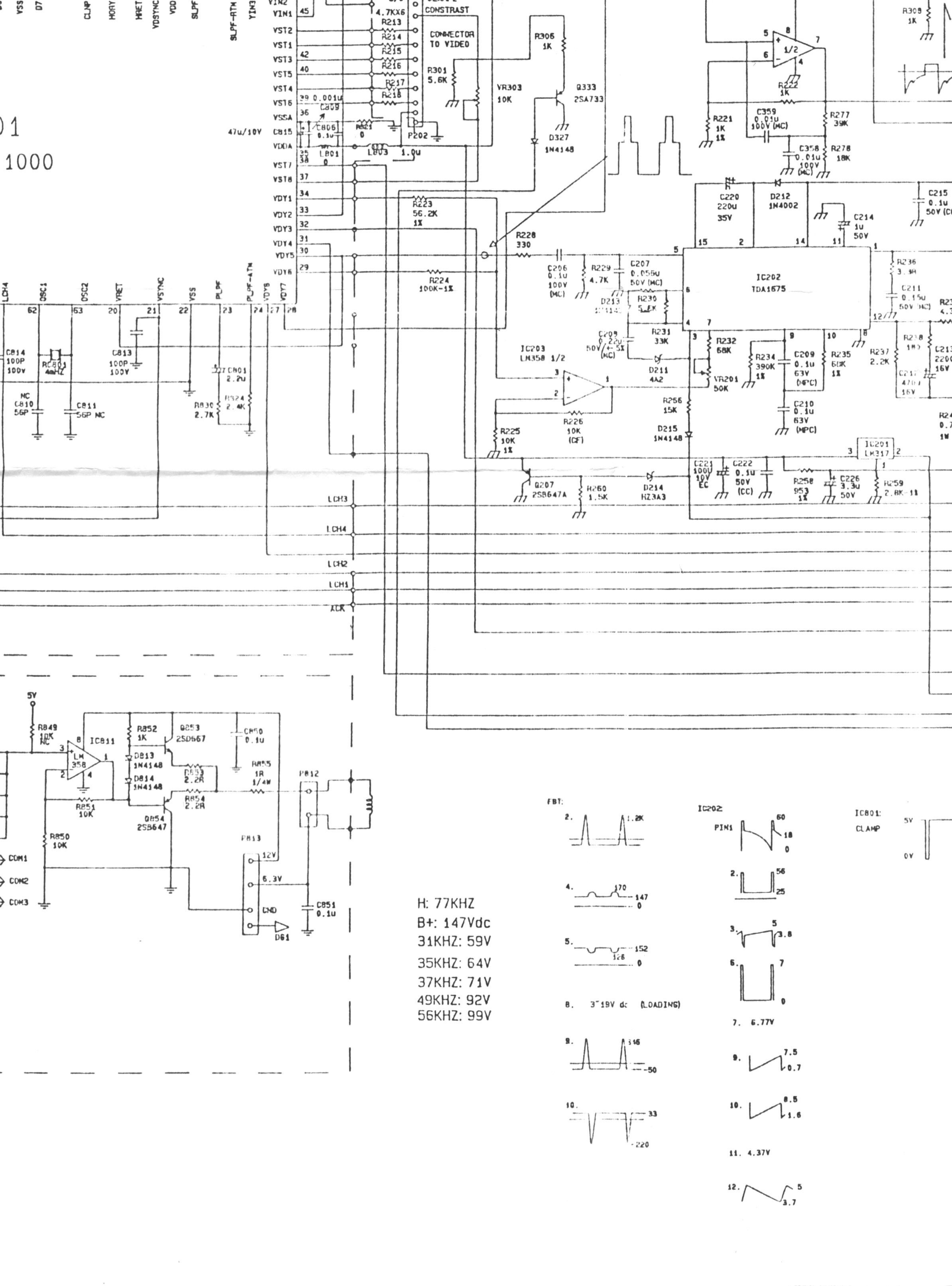
RESS	MICROCHIP	OTHER
P804	D/L SHORT WP OPEN	SHORT


P201
H.SYNC
V.SYNC


DG1
GND
KD0
COM2
COM1
KD1
KD2
KD3
KD4
KD5
COM3
KD7
KD6
LCH1
Br-
HSIZE-
HSIZE+
Br+
HPHASE →
HPHASE ←
CONTRST-
VSIZE+
VSIZE-
CONTRST+
VPHASE ↑
VPHASE ↓
9300
PIN-
PIN+
6500
TILT ↑
TILT ↓
BLUE-
BLUE+
RED-
RED+
CNP801

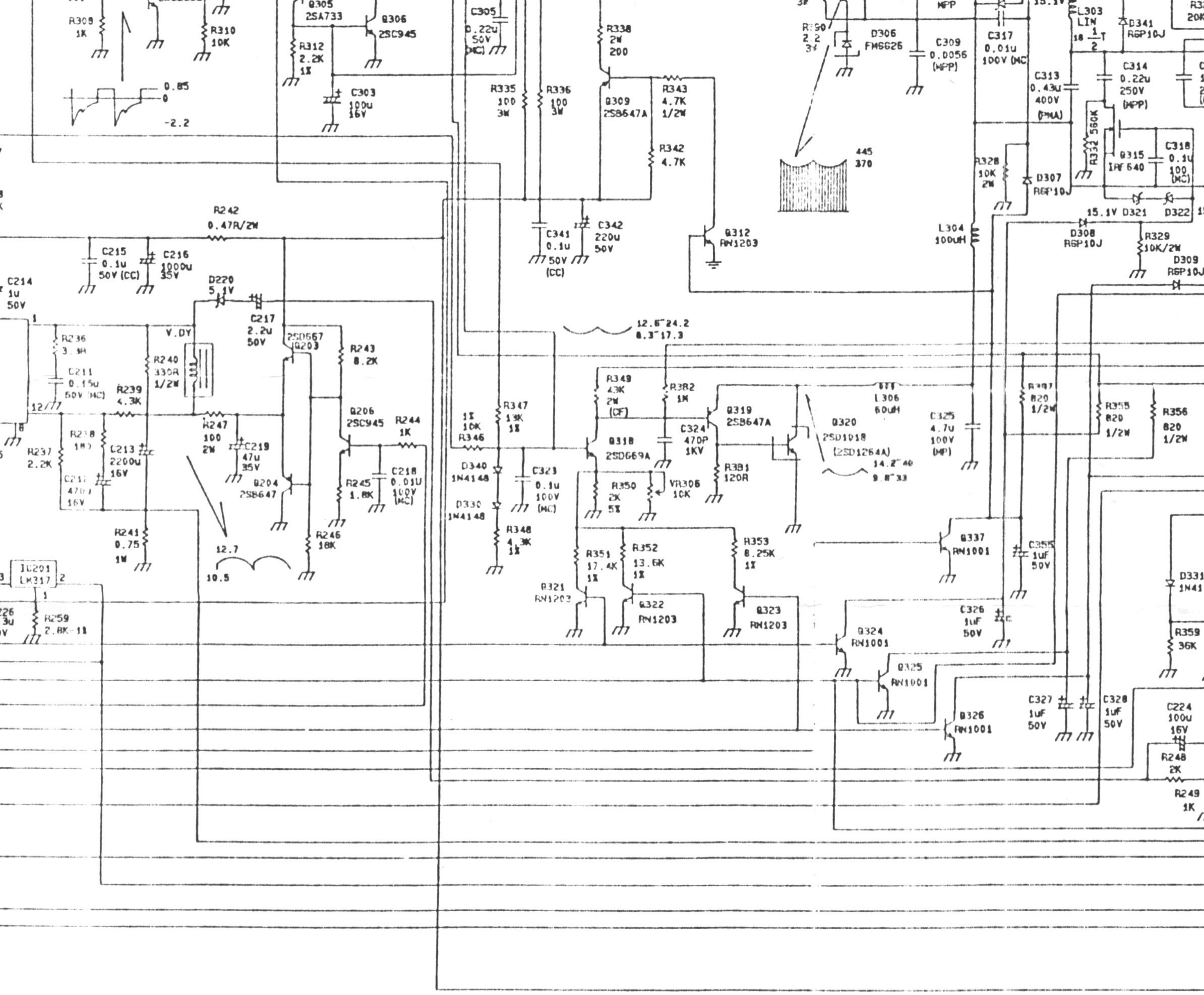

501
2SC945P
02
01uF
0V
DOWN LOAD → GND SHUT
OPEN → WRITE PROTECTOR
IC 801
DMC - 1000
51 D0
64 ROMEN
65 WEB
66 A11
67 A10
68 A9
1 A8
2 A7
3 A6
4 A5
5 A4
6 A3
7 A2
8 A1
9 A0
10 SDA
11 SCL
ACK 12
BLNK 13
LCH1 14
LCH2 16
LCH3 17
VDD 15
HSYNC 18
LCH4 19
OSC1 62
OSC2 63
VRET 20
21
+5V
+5V
R826 10K
IC802
24C16
24164
A0
A1
A2
GND
VCC
TST
SCL
SDA
P804
D205 ~ D208
1N4148 X 4
+5V
6.3V
100
R211
R212 100
D205
D207
D206
D208
P203
D
C
G
12V
C803 0.1U
R822 100
C814 100P 100V
RC801 4MHZ
C813 100P 100V
C816 100U 10V
+5V
NC C810 56P
C811 56P NC
R820 3.9K
5V
P201
H.SYNC
V.SYNC
Br-
HSIZE-
HSIZE+
Br+
HPHASE
HPHASE
CONTRST-
VSIZE+
VSIZE-
CONTRST+
VPHASE
VPHASE
9300
PIN-
PIN+
6500
TILT
TILT
BLUE-
BLUE+
RED-
RED+
LCH2
5V
5V
20
R841~R845
19 40.2K
18 20K
14 10K
16 4.99K
15 2.49K
14 R845 0 COM1
13 R847 0 COM2
12 R848 0 COM3
D0
D1
D2
D3
D4
D5
D6
D7
IC810
74HC574
SMD
10
11
R840 2K
D810 1N4148
D811 1N4148
D812 1N4148
A11
WEN
ROMEN
R849 10K NC
IC811
LM 358
R852 1K
D813 1N414
D814 1N414
R851 10K
R850 10K
Q8
2SB6

RESS	MICROCHIP	OTHER
P804	D/L SHORT WP OPEN	SHORT

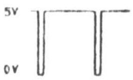


01
1000
CONSTRAST
CONNECTOR TO VIDEO
VIN1
VST2
VST1
VST3
VST5
VST4
VST6
VSSA
VDDA
VST7
VST8
VDY1
VDY2
VDY3
VDY4
VDY5
VDY6
R213
R214
R215
R216
R217
R218
4.7KX6
R301 5.6K
VR303 10K
R306 1K
Q333 2SA733
D327 1N4148
P202
C809
C806 0.1u
C815
47u/10V
L801 0
L803 1.0u
R223 56.2K 1%
R224 100K-1%
R228 330
C206 0.1u 100V (MC)
R229 4.7K
C207 0.056u 50V (MC)
D213
R230 5.6K
C208 0.22u 50V ±5% (MC)
R231 33K
D211 4A2
IC203 LM358 1/2
R226 10K (CF)
R225 10K 1%
Q207 2SB647A
R260 1.5K
D214 HZ3A3
IC202 TDA1675
C220 220u 35V
D212 1N4002
C214 1u 50V
C215 0.1u 50V
R236 3.3K
C211 0.15u 50V (MC)
R232 68K
R234 390K 1%
C209 0.1u 63V (MPC)
R235 68K 1%
R237 2.2K
R238
C213 2200
VR201 50K
R256 15K
D215 1N4148
C210 0.1u 63V (MPC)
IC201 LM317
C221 100U 10V EC
C222 0.1u 50V (CC)
R258 953 1%
C226 3.3u 50V
R259 2.8K-1%
R221 1K 1%
C359 0.01u 100V (MC)
R222 1K
R277 39K
C358 0.01u 100V (MC)
R278 18K
R309 1K
1/2
LCH3
LCH4
LCH2
LCH1
ACK
LCH4
OSC1
OSC2
VRET
VSYNC
VSS
PL_PF
PL_PF-ATM
VDY8
VDY7
C814 100P 100V
RC801 4MHZ
C813 100P 100V
C801 2.2u
NC C810 56P
C811 56P NC
R830 2.7K
R824 2.4K
VSS
D7
CLNP
HORY
HRET
VDSYNC
VDD
SLPF
SLPF-ATM
YIN3
5V
R849 10K NC
IC811 LM358
R852 1K
Q853 2SD667
D813 1N4148
D814 1N4148
D853 2.2R
D854 2.2R
C850 0.1u
R855 1R 1/4W
R851 10K
Q854 2SB647
R850 10K
P812
P813
12V
6.3V
GND
D61
C851 0.1u
COM1
COM2
COM3
FBT:
2. 1.2K
4. 170 147 0
5. 152 128 0
8. 3~19V dc (LOADING)
9. 346 -50
10. 33 -220
IC202
PIN1 60 18 0
2. 56 25
3. 5 3.8
6. 7 0
7. 6.77V
9. 7.5 0.7
10. 8.5 1.6
11. 4.37V
12. 5 3.7
IC801:
CLAMP
5V
0V

H: 77KHZ
B+: 147Vdc
31KHZ: 59V
35KHZ: 64V
37KHZ: 71V
49KHZ: 92V
56KHZ: 99V

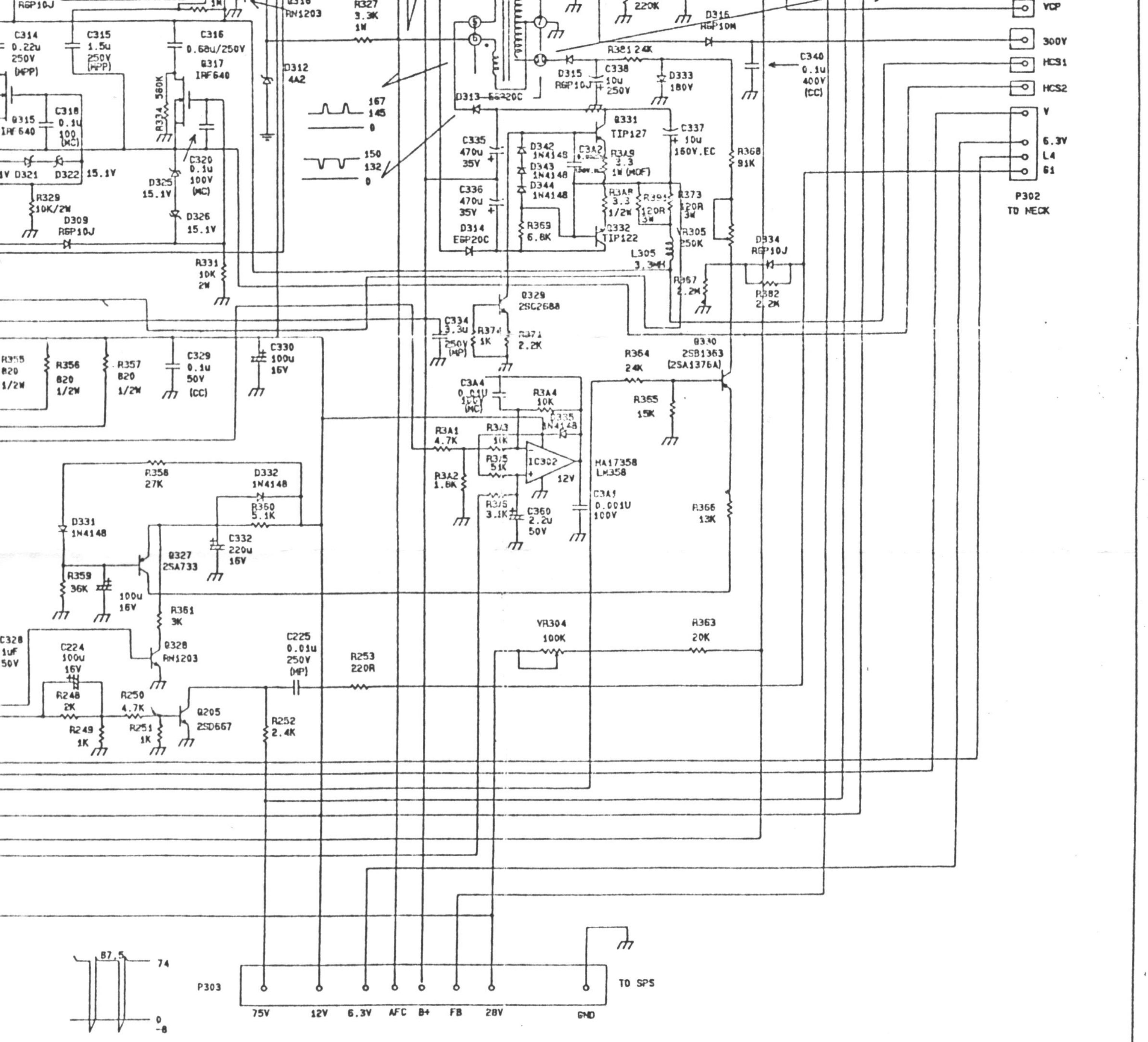

R308 1K
R310 10K
Q305 2SA733
Q306 2SC945
R312 2.2K 1%
C303 100u 16V
0.85
0
-2.2
C305 0.22u 50V (MC)
R338 2W 200
R335 100 3W
R336 100 3W
Q309 2SB647A
R343 4.7K 1/2W
R342 4.7K
C341 0.1u 50V (CC)
C342 220u 50V
Q312 RN1203
R390 2.2 3W
D306 FMG626
C309 0.0056 (MPP)
C317 0.01u 100V (MC)
MPP
15.1V
L303 LIN 18 1/2 T
D341 RGP10J
C313 0.43u 400V (PMA)
C314 0.22u 250V (MPP)
R332 560K
Q315 IRF640
C318 0.1u 100 (MC)
445
370
R328 10K 2W
D307 RGP10J
15.1V D321
D322
L304 100uH
D308 RGP10J
R329 10K/2W
D309 RGP10J
R242 0.47R/2W
C215 0.1u 50V (CC)
C216 1000u 35V
C214 1u 50V
D220 5.1V
C217 2.2u 50V
V.DY
R236 3.9R
C211 0.15u 50V (MC)
R240 330R 1/2W
2SD667 Q203
R243 8.2K
R239 4.3K
R247 100 2W
C219 47u 35V
Q206 2SC945
R244 1K
R238 180
R237 2.2K
C213 2200u 16V
C212 470u 16V
Q204 2SB647
R245 1.8K
C218 0.01U 100V (MC)
R246 18K
R241 0.75 1W
12.7
10.5
IC201 LM317
R259 2.8K-1%
12.6~24.2
8.3~17.3
R347 13K 1%
1% 10K R346
D340 1N4148
D330 1N4148
C323 0.1u 100V (MC)
R348 4.3K 1%
R349 43K 2W (CF)
R382 1M
Q318 2SD669A
C324 470P 1KV
Q319 2SB647A
R381 120R
L306 60uH
Q320 2SD1018 (2SD1264A)
14.2~40
9.8~33
C325 4.7u 100V (MP)
R350 2K 5%
VR306 10K
R351 17.4K 1%
R352 13.6K 1%
R353 8.25K 1%
Q321 RN1203
Q322 RN1203
Q323 RN1203
Q337 RN1001
C355 1uF 50V
R357 820 1/2W
R355 820 1/2W
R356 820 1/2W
Q324 RN1001
Q325 RN1001
C326 1uF 50V
Q326 RN1001
C327 1uF 50V
C328 1uF 50V
C224 100u 16V
R248 2K
R249 1K
D331 1N41
R359 36K
R3 20K

IC801:
CLAMP



MODEL / LOCATION	2082G-1	
L303	LIN (18) 1/2T	LIN (24) 1/2T
C354	0.22uH 250V	0.43uH 250V

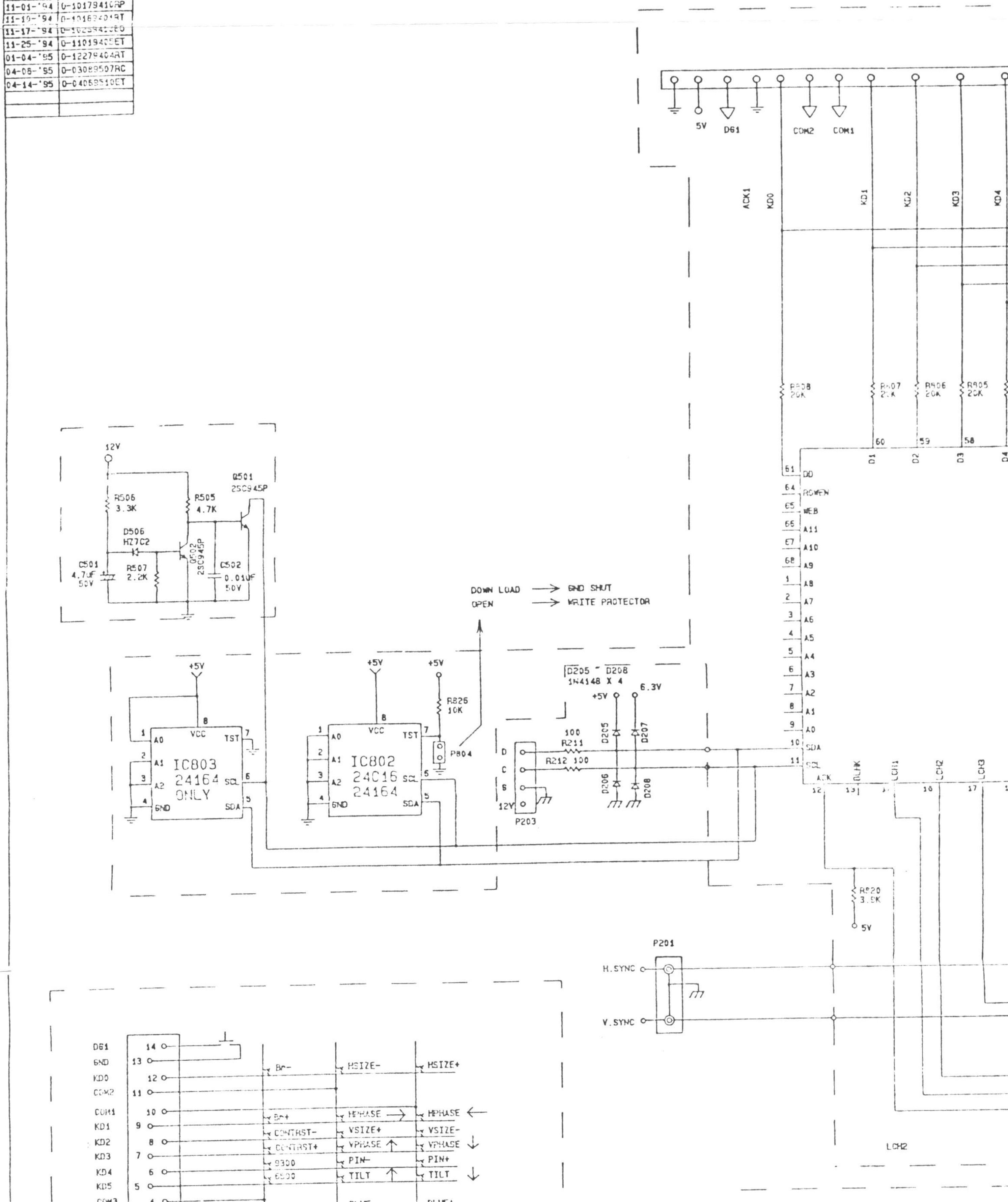
FH	82~66 KHZ	66~53 KHZ	51~42 KHZ	42~36.6 KHZ	36.
LCH1	H	H	L	L	
LCH2	H	H	L	H	
LCH3	H	L	H	L	
LCH4	H	H	H	L	

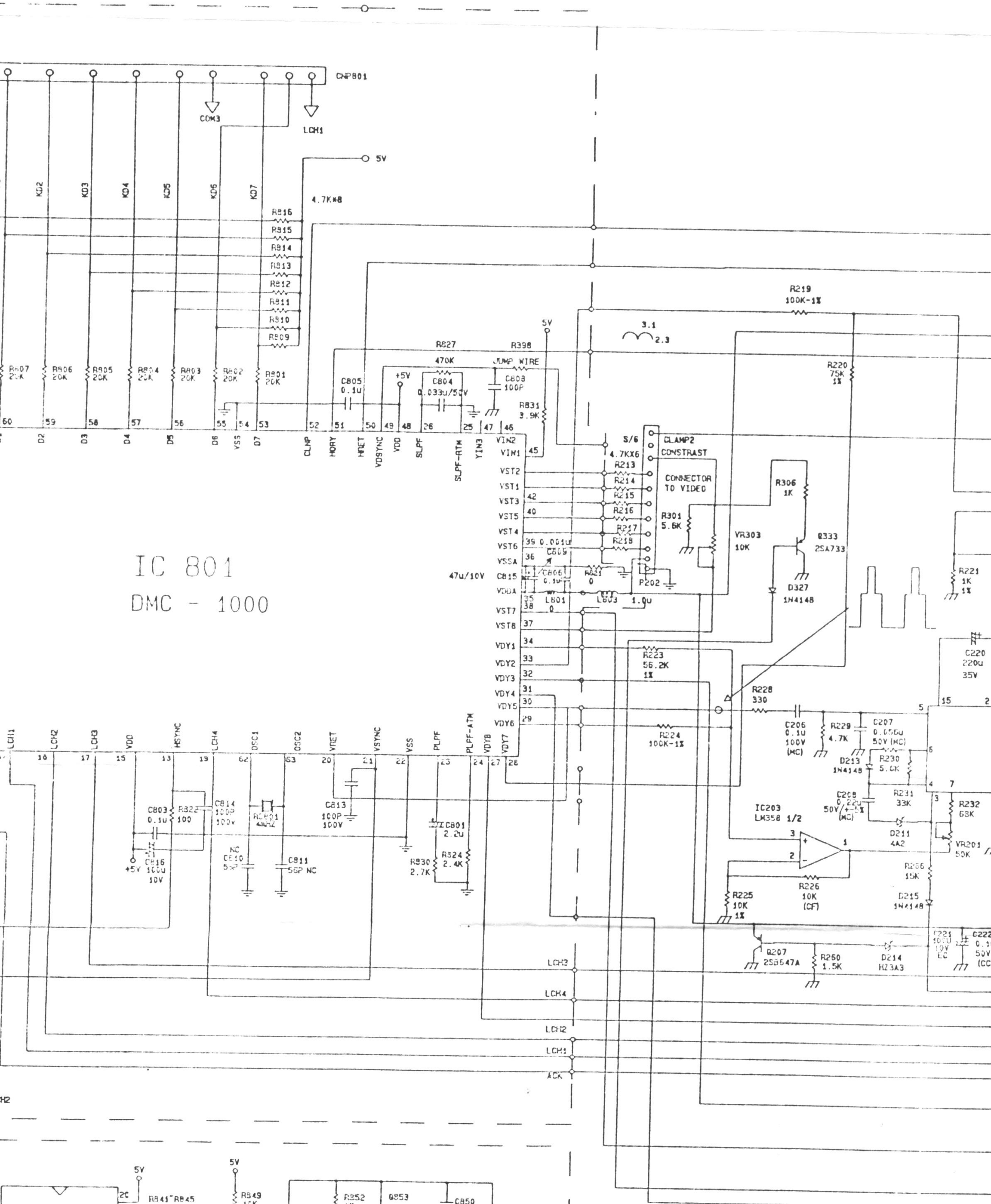

RGP10J
C314
0.22u
250V
(MPP)
C315
1.5u
250V
(MPP)
C316
0.68u/250V
Q317
IRF640
R334 580K
Q315
IRF640
C318
0.1u
100
(MC)
D321
D322
15.1V
D325
15.1V
C320
0.1u
100V
(MC)
D326
15.1V
R329
10K/2W
D309
RGP10J
R331
10K
2W
Q316
RN1203
D312
4A2
R327
3.3K
1W
167
145
0
150
132
0
D313 EGP20C
C335
470u
35V
C336
470u
35V
D314
EGP20C
D342
1N4148
D343
1N4148
D344
1N4148
R369
6.8K
C3A2
R3A9
3.3
1W (MOF)
R3A8
3.3
1/2W
R394
120R
3W
R373
120R
3W
Q331
TIP127
Q332
TIP122
C337
10u
160V.EC
C338
10u
250V
D315
RGP10J
D333
180V
R381 24K
D316
RGP10M
220K
C340
0.1u
400V
(CC)
R368
91K
VR305
250K
L305
3.3mH
R367
2.2M
D334
RGP10J
R382
2.2M
VCP
300V
HCS1
HCS2
V
6.3V
L4
G1
P302
TO NECK
R355
820
1/2W
R356
820
1/2W
R357
820
1/2W
C329
0.1u
50V
(CC)
C330
100u
16V
Q329
2SC2688
C334
3.3u
250V
(MP)
R374
1K
R371
2.2K
R364
24K
Q330
2SB1363
(2SA1376A)
R365
15K
C3A4
0.01U
100V
(MC)
R3A4
10K
D335
1N4148
R3A1
4.7K
R3A3
11K
R3A5
51K
IC302
HA17358
LM358
12V
R3A2
1.8K
R3A6
3.1K
C360
2.2u
50V
C3A1
0.001U
100V
R366
13K
R358
27K
D332
1N4148
R360
5.1K
D331
1N4148
Q327
2SA733
C332
220u
16V
R359
36K
100u
16V
R361
3K
Q328
RN1203
C328
1uF
50V
C224
100u
16V
R248
2K
R249
1K
R250
4.7K
R251
1K
Q205
2SD667
C225
0.01u
250V
(MP)
R253
220R
R252
2.4K
VR304
100K
R363
20K
87.5
74
0
-8
P303
75V
12V
6.3V
AFC
B+
FB
28V
GND
TO SPS

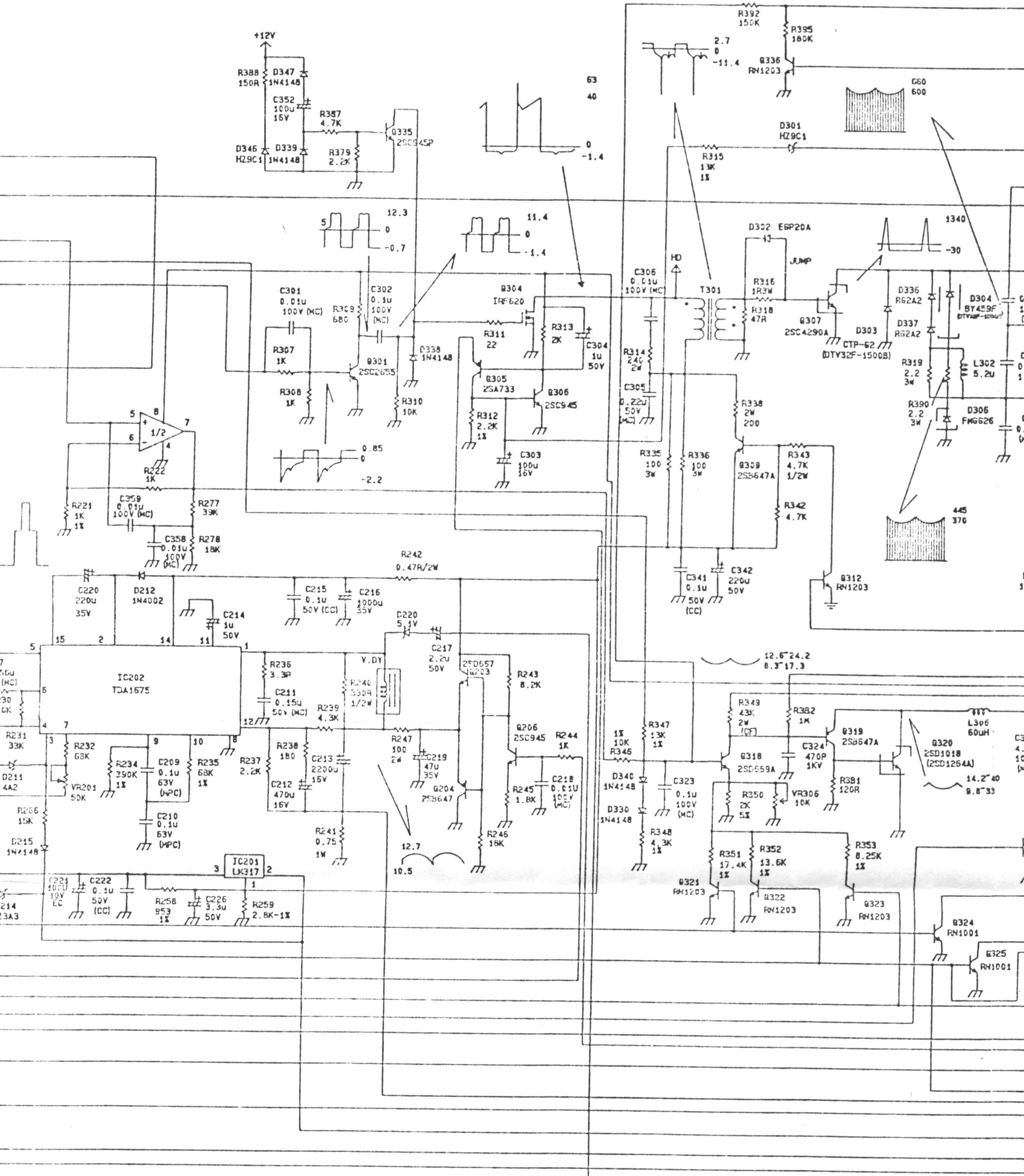
42~36.6 KHZ	36.6~23 KHZ
L	L
H	L
L	L
L	L

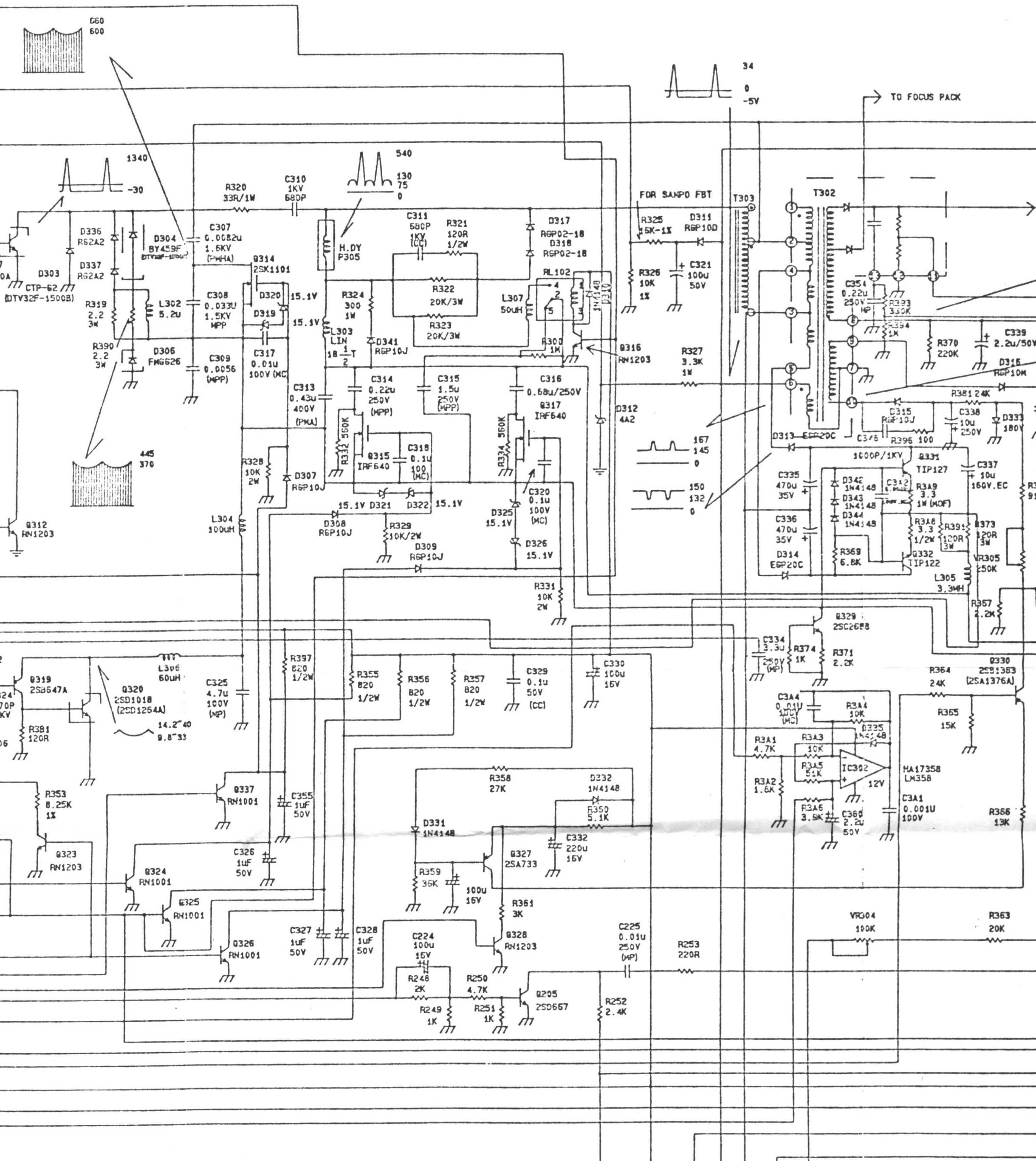
DRAWING DATE	TOLERANCE		SCALE	UNIT
04-14-'95	DIM	ANGLE	/	MM
	+ -	+ -		
DRAWER	SHEET		DRAWING NAME	FILENAME
	OF			
MODEL NO.:	2082G-1			

DATE	ECN/ECO NO.
04-25-'94	N-04069407EG
06-01-'94	N-05259401EG
07-02-'94	0-06289403ET
08-02-'94	N-07229406EG
09-01-'94	0-08229413ET
10-06-'94	0-09179409EP
10-11-'94	0-10039405EP
11-01-'94	0-10179410RP
11-10-'94	0-10169404RT
11-17-'94	0-10259412EO
11-25-'94	0-11019405ET
01-04-'95	0-12279404RT
04-06-'95	0-03089507RC
04-14-'95	0-04069510ET

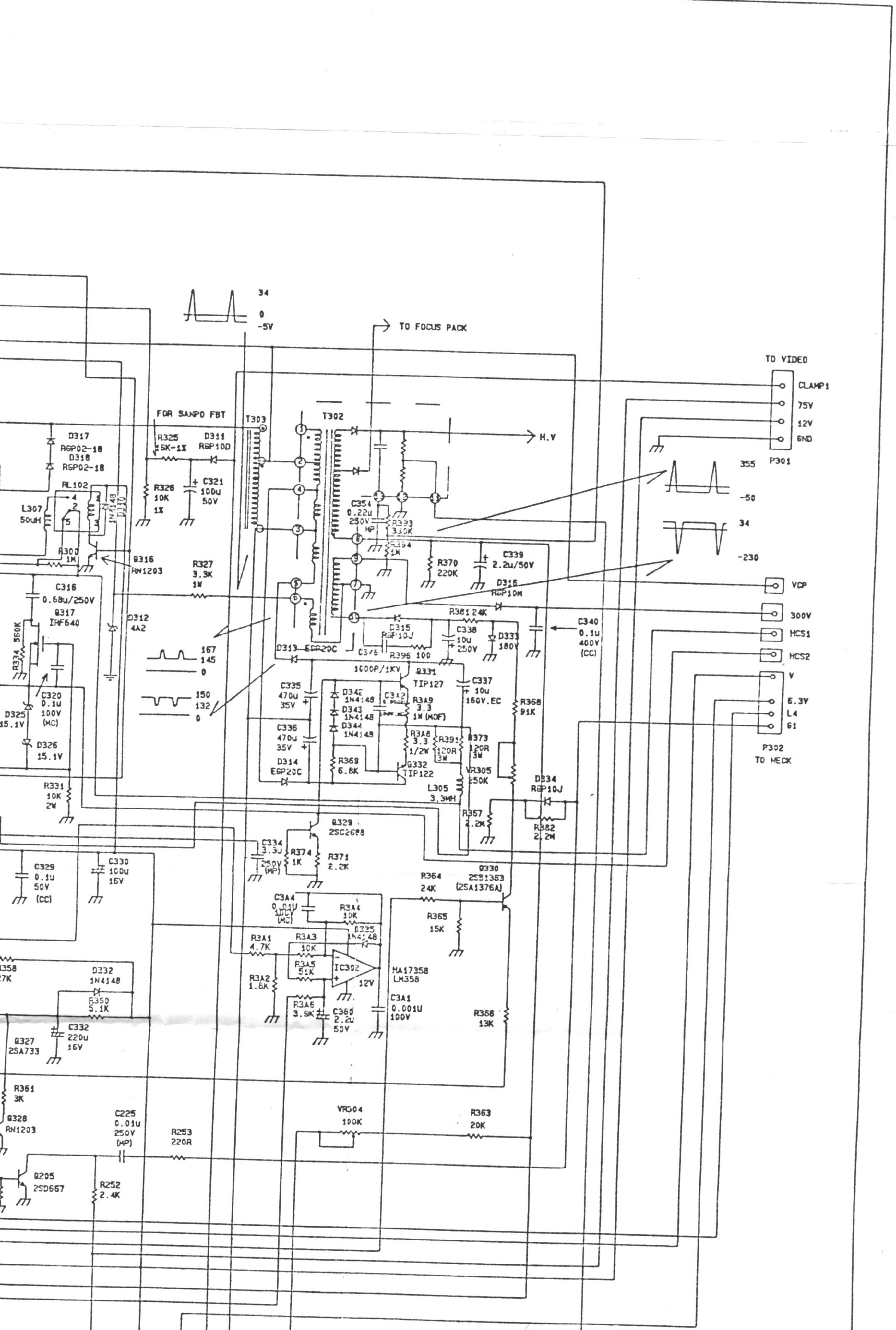

5V
D61
COM2
COM1
ACK1
KD0
KD1
KD2
KD3
KD4
R808 20K
R807 20K
R806 20K
R805 20K
60
59
58
D1
D2
D3
D4
61 D0
64 ROMEN
65 WEB
66 A11
67 A10
68 A9
1 A8
2 A7
3 A6
4 A5
5 A4
6 A3
7 A2
8 A1
9 A0
10 SDA
11 SCL
12 ACK
13 DLHK
LCH1
16 LCH2
17 LCH3
R820 3.9K
5V
12V
R506 3.3K
R505 4.7K
Q501 2SC945P
D506 HZ7C2
Q502 2SC945P
C501 4.7UF 50V
R507 2.2K
C502 0.01UF 50V
DOWN LOAD → GND SHUT
OPEN → WRITE PROTECTOR
+5V
IC803 24164 ONLY
A0
A1
A2
GND
VCC
TST
SCL
SDA
IC802 24C16 24164
R826 10K
P804
D205 ~ D208 1N4148 X 4
+5V
6.3V
100 R211
R212 100
D205
D206
D207
D208
D
C
G
12V
P203
P201
H.SYNC
V.SYNC
LCH2
D61 14
GND 13
KD0 12
COM2 11
COM1 10
KD1 9
KD2 8
KD3 7
KD4 6
KD5 5
COM3 4
Br-
Br+
CONTRST-
CONTRST+
9300
6500
HSIZE-
HPHASE →
VSIZE+
VPHASE ↑
PIN-
TILT ↑
HSIZE+
HPHASE ←
VSIZE-
VPHASE ↓
PIN+
TILT ↓

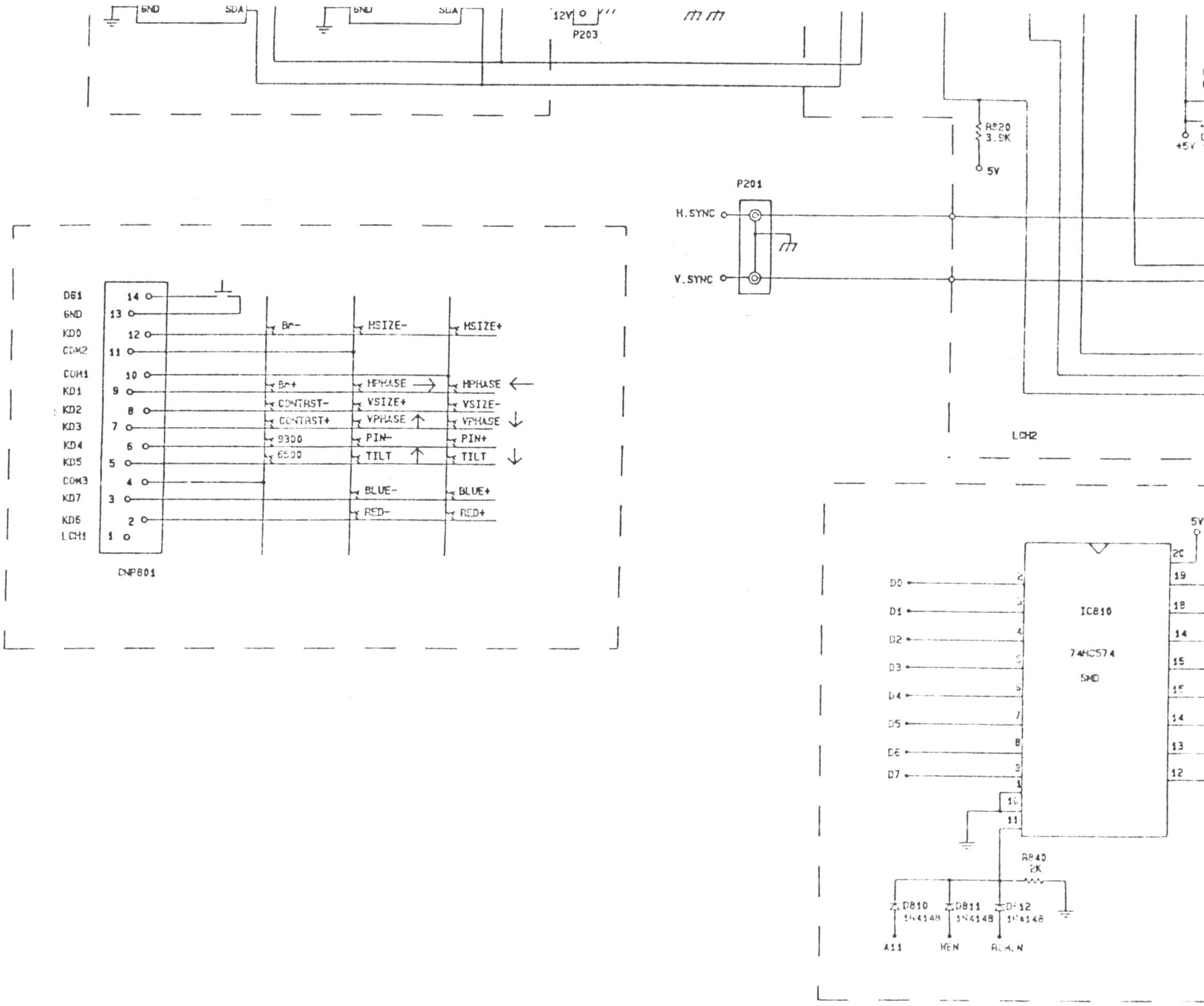

CNP801
COM3
LCH1
5V
KD2
KD3
KD4
KD5
KD6
KD7
4.7K*8
R816
R815
R814
R813
R812
R811
R810
R809
R807 20K
R806 20K
R805 20K
R804 20K
R803 20K
R802 20K
R801 20K
R827 470K
R398 JUMP WIRE
C805 0.1u
+5V
C804 0.033u/50V
C808 100P
R831 3.9K
5V
IC 801
DMC - 1000
D2
D3
D4
D5
D6
VSS
D7
CLNP
HORY
HRET
VDSYNC
VDD
SLPF
SLPF-ATM
YIN3
VIN2
VIN1
VST2
VST1
VST3
VST5
VST4
VST6
VSSA
C815
VDDA
VST7
VST8
VDY1
VDY2
VDY3
VDY4
VDY5
VDY6
VDY7
VDY8
47u/10V
0.001u
C809
C806 0.1u
R821 0
L801 0
L803 1.0u
S/6
4.7KX6
R213
R214
R215
R216
R217
R218
CLAMP2
CONSTRAST
CONNECTOR TO VIDEO
P202
3.1
2.3
R219 100K-1%
R220 75K 1%
R306 1K
R301 5.6K
VR303 10K
Q333 2SA733
D327 1N4148
R221 1K 1%
C220 220u 35V
R223 56.2K 1%
R228 330
R224 100K-1%
C206 0.1u 100V (MC)
R229 4.7K
C207 0.056u 50V (MC)
D213 1N4148
R230 5.6K
R231 33K
C208 0.22u 50V/+-5% (MC)
R232 68K
D211 4A2
VR201 50K
IC203 LM358 1/2
R225 10K 1%
R226 10K (CF)
R266 15K
D215 1N4148
Q207 2SB647A
R260 1.5K
D214 HZ3A3
C221 100u 10V EC
C222 0.1 50V (CC
LCH1
LCH2
LCH3
VDD
HSYNC
LCH4
OSC1
OSC2
VRET
VSYNC
VSS
PLPF
PLPF-ATM
C803 0.1u
R822 100
C814 100P 100V
RC801 4MHZ
C813 100P 100V
C801 2.2u
C816 100u 10V
+5V
NC C810 56P
C811 56P NC
R830 2.7K
R824 2.4K
LCH3
LCH4
LCH2
LCH1
ACK
H2
5V
R841~R845
R849
R852
Q853
C850
60
59
58
57
56
55
54
53
52
51
50
49
48
26
25
47
46
45
42
40
39
36
35
38
37
34
33
32
31
30
29
28
27
24
23
22
21
20
63
62
19
13
15
17
16
5
15
6
4
7
3
2
1
2C

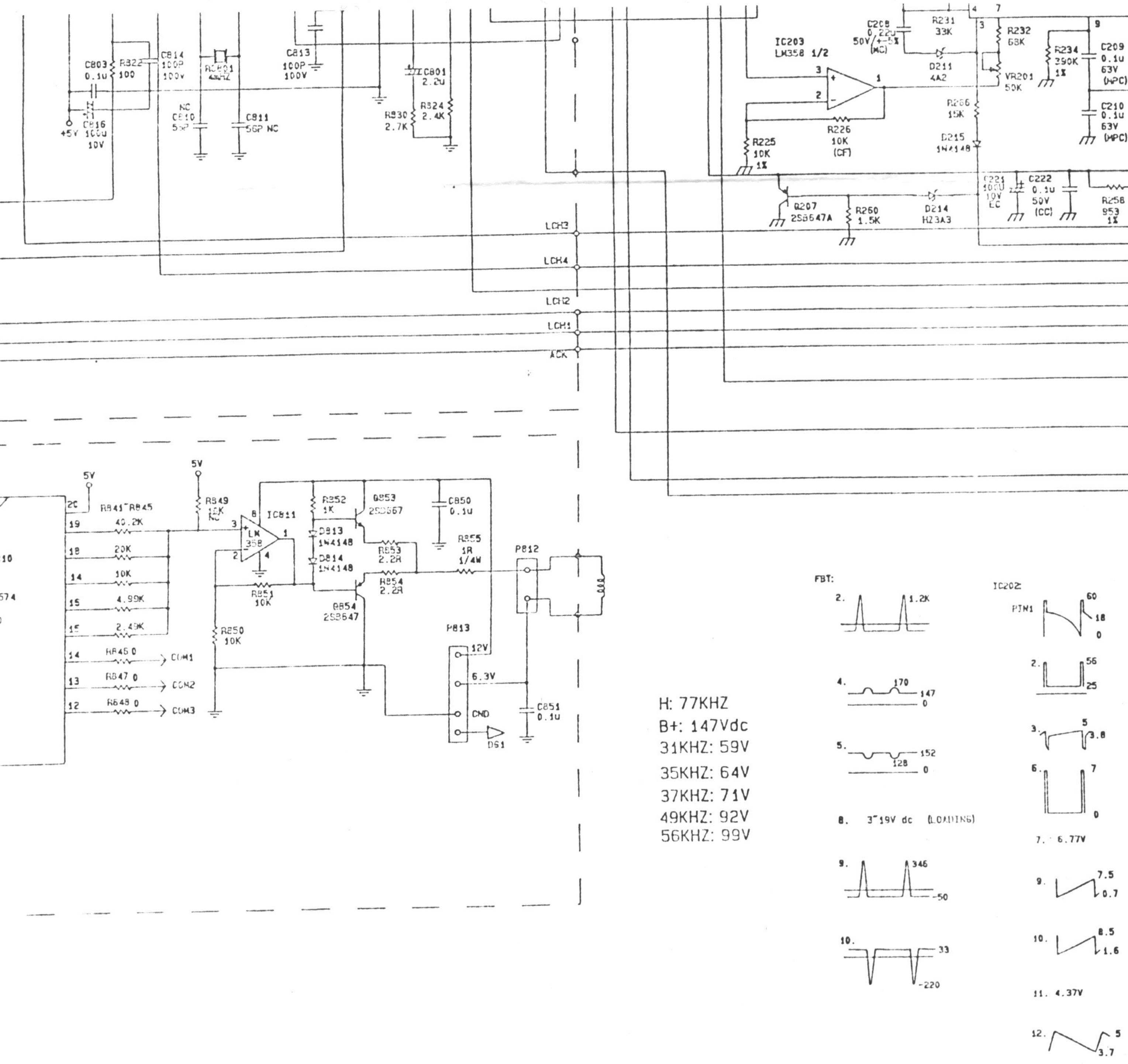

+12V
R388 150R
D347 1N4148
C352 100u 16V
R387 4.7K
Q335 2SC945P
D346 HZ9C1
D339 1N4148
R379 2.2K
63
40
0
-1.4
12.3
0
-0.7
11.4
0
-1.4
C301 0.01u 100V (MC)
R309 680
C302 0.1u 100V (MC)
Q304 IRF620
R311 22
R313 2K
C304 1u 50V
R307 1K
Q301 2SC2655
D338 1N4148
R308 1K
R310 10K
Q305 2SA733
Q306 2SC945
R312 2.2K 1%
C303 100u 16V
0.85
0
-2.2
1/2
R222 1K
R221 1K 1%
C359 0.01u 100V (MC)
R277 39K
C358 0.01u 100V (MC)
R278 18K
C220 220u 35V
D212 1N4002
R242 0.47R/2W
C215 0.1u 50V (CC)
C216 1000u 35V
C214 1u 50V
D220 5.1V
C217 2.2u 50V
V.DY
IC202 TDA1675
R236 3.3R
C211 0.15u 50V (MC)
R240 330R 1/2W
2SD557 Q203
R243 8.2K
R239 4.3K
R247 100 2W
C219 47u 35V
Q206 2SC945
R244 1K
R231 33K
R232 68K
R234 390K 1%
C209 0.1u 63V (MPC)
R235 68K 1%
R237 2.2K
R238 180
C213 2200u 16V
C212 470u 16V
Q204 2SB647
R245 1.8K
C218 0.01U 100V (MC)
D211 4A2
VR201 50K
C210 0.1u 63V (MPC)
R246 18K
R236 15K
D215 1N4148
R241 0.75 1W
12.7
10.5
IC201 LM317
C221 100U 10V EC
C222 0.1u 50V (CC)
R258 953 1%
C226 3.3u 50V
R259 2.8K-1%
D214 23A3
R392 150K
R395 180K
2.7
0
-11.4
Q336 RN1203
660
600
D301 HZ9C1
R315 13K 1%
D302 EGP20A
JUMP
1340
-30
C306 0.01u 100V (MC)
HD
T301
R316 1R3W
R318 47R
Q307 2SC4290A
D303 CTP-62 (DTV32F-1500B)
D336 RG2A2
D337 RG2A2
D304 BY459F
R319 2.2 3W
L302 5.2u
R390 2.2 3W
D306 FMG626
R314 240 2W
C305 0.22u 50V (MC)
R338 2W 200
R335 100 3W
R336 100 3W
Q309 2SB647A
R343 4.7K 1/2W
R342 4.7K
445
370
C341 0.1u 50V (CC)
C342 220u 50V
Q312 RN1203
12.6~24.2
8.3~17.3
R349 43K 2W (CF)
R382 1K
R347 13K 1%
R345 10K 1%
Q319 2SB647A
L306 60uH
Q320 2SD1018 (2SD1264A)
C324 470P 1KV
Q318 2SD559A
D340 1N4148
C323 0.1u 100V (MC)
R381 120R
14.2~40
9.8~33
R350 2K 5%
VR306 10K
D330 1N4148
R348 4.3K 1%
R351 17.4K 1%
R352 13.6K 1%
R353 8.25K 1%
Q321 RN1203
Q322 RN1203
Q323 RN1203
Q324 RN1001
Q325 RN1001



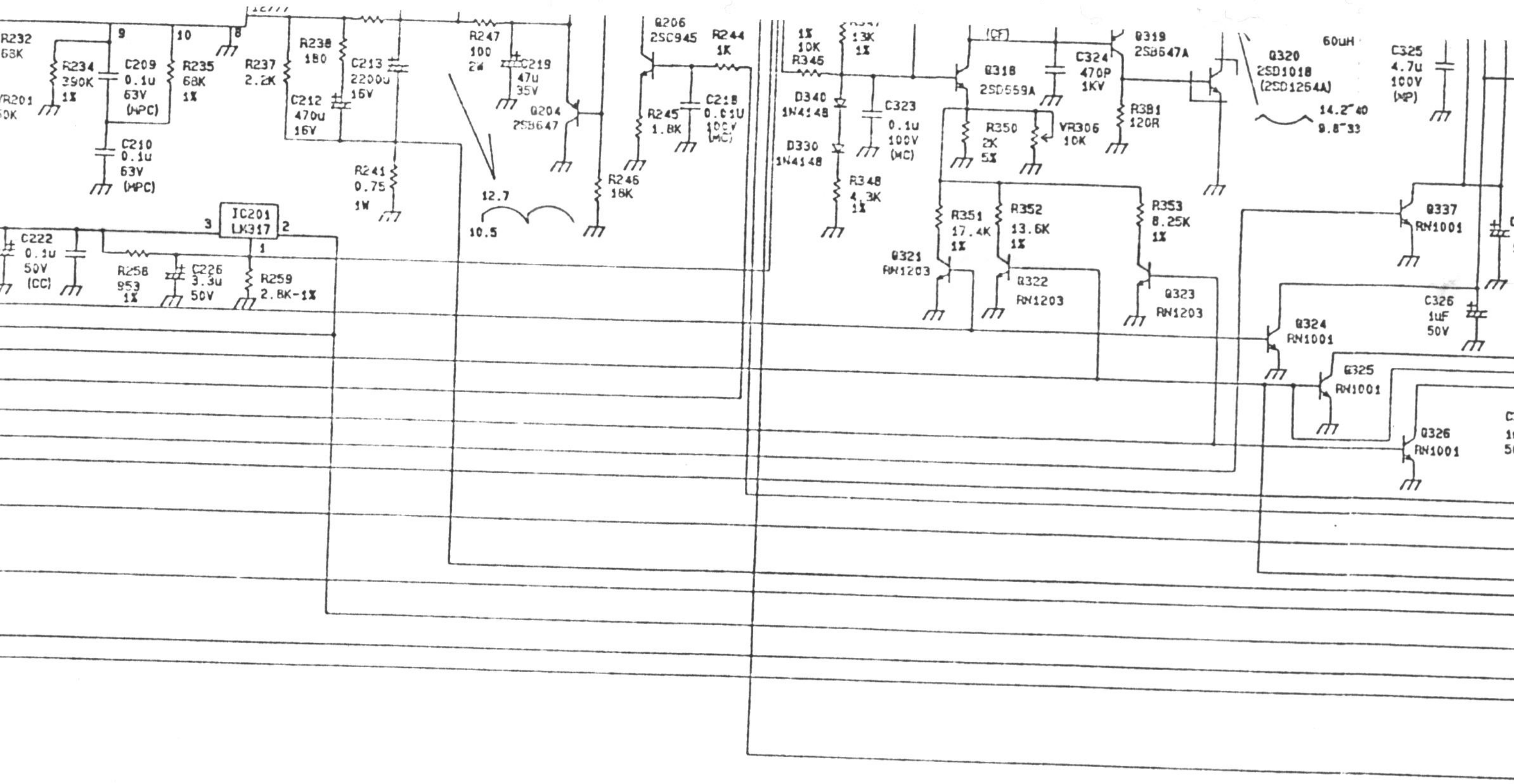
660
600
34
0
-5V
TO FOCUS PACK
1340
-30
540
130
75
0
R320
33R/1W
C310
1KV
680P
FOR SANPO FBT
T303
T302
D336
RG2A2
D304
BY459F
C307
0.0082u
1.6KV
(PWHA)
D303
D337
RG2A2
CTP-62
(DTV32F-1500B)
Q314
2SK1101
H.DY
P305
C311
680P
1KV
(CC)
R321
120R
1/2W
D317
RGP02-18
D318
RGP02-18
R325
15K-1%
D311
RGP10D
R326
10K
1%
C321
100u
50V
R319
2.2
3W
L302
5.2u
C308
0.033U
1.5KV
MPP
D320
15.1V
D319
15.1V
R324
300
1W
R322
20K/3W
R323
20K/3W
L303
LIN
18 1/2 T
D341
RGP10J
L307
50uH
RL102
1N4148
D310
Q316
RN1203
R300
1M
R327
3.3K
1W
C354
0.22u
250V
MP
R393
330K
R394
1K
R370
220K
C339
2.2u/50V
D316
RGP10M
R390
2.2
3W
D306
FMG626
C309
0.0056
(MPP)
C317
0.01u
100V (MC)
C313
0.43u
400V
(PWA)
C314
0.22u
250V
(MPP)
C315
1.5u
250V
(MPP)
C316
0.68u/250V
Q317
IRF640
D312
4A2
R381 24K
D315
RGP10J
C338
10u
250V
D333
180V
445
370
R332
560K
Q315
IRF640
C318
0.1u
100
(MC)
R334
560K
C320
0.1u
100V
(MC)
167
145
0
150
132
0
D313
EGP20C
C345
R396 100
1000P/1KV
Q331
TIP127
C337
10u
160V.EC
R328
10K
2W
D307
RGP10J
D321
D322
15.1V
15.1V
D325
15.1V
D326
15.1V
C335
470u
35V
D342
1N4148
D343
1N4148
D344
1N4148
C342
R349
3.3
1W (MOF)
R348
3.3
1/2W
R391
120R
3W
R373
120R
3W
Q312
RN1203
L304
100uH
D308
RGP10J
R329
10K/2W
D309
RGP10J
C336
470u
35V
D314
EGP20C
R369
6.8K
Q332
TIP122
VR305
250K
L305
3.3MH
R331
10K
2W
R367
2.2K
Q329
2SC2688
Q319
2SB647A
L306
60uH
R397
820
1/2W
R355
820
1/2W
R356
820
1/2W
R357
820
1/2W
C329
0.1u
50V
(CC)
C330
100u
16V
C334
3.3u
250V
(MP)
R374
1K
R371
2.2K
Q330
2SB1363
(2SA1376A)
R364
24K
Q320
2SD1018
(2SD1264A)
14.2~40
9.8~33
C325
4.7u
100V
(MP)
R381
120R
C3A4
0.01U
100V
(MC)
R3A4
10K
D335
1N4148
R365
15K
R3A1
4.7K
R3A3
10K
R3A5
51K
IC302
12V
MA17358
LM358
R3A2
1.8K
R3A6
3.9K
C360
2.2u
50V
C3A1
0.001U
100V
R366
13K
R353
8.25K
1%
Q337
RN1001
C355
1uF
50V
R358
27K
D332
1N4148
R350
5.1K
D331
1N4148
C332
220u
16V
Q323
RN1203
C326
1uF
50V
Q324
RN1001
Q327
2SA733
R359
36K
100u
16V
Q325
RN1001
R361
3K
Q326
RN1001
C327
1uF
50V
C328
1uF
50V
C224
100u
16V
Q328
RN1203
C225
0.01u
250V
(MP)
R253
220R
VR304
100K
R363
20K
R248
2K
R250
4.7K
Q205
2SD667
R252
2.4K
R249
1K
R251
1K

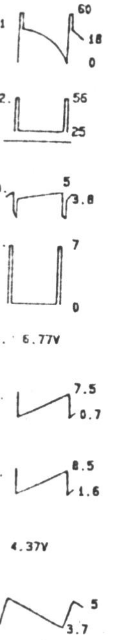

34
0
-5V
TO FOCUS PACK
TO VIDEO
CLAMP1
75V
12V
GND
P301
FOR SANPO FBT
T303
T302
H.V
D317
RGP02-18
D318
RGP02-18
R325
15K-1%
D311
RGP10D
R326
10K
1%
C321
100u
50V
RL102
1N4148
D310
L307
50uH
R300
1K
Q316
RN1203
R327
3.3K
1W
C354
0.22u
250V
MP
R393
330K
R394
1K
R370
220K
C339
2.2u/50V
355
-50
34
-230
VCP
300V
HCS1
HCS2
V
6.3V
L4
G1
P302
TO NECK
C316
0.68u/250V
Q317
IRF640
R334 560K
D312
4A2
D316
RGP10M
R381 24K
D315
RGP10J
C338
10u
250V
D333
180V
C340
0.1u
400V
(CC)
C375
R396 100
D313 EGP20C
167
145
0
150
132
0
C320
0.1u
100V
(MC)
D325
15.1V
D326
15.1V
1000P/1KV
Q331
TIP127
C337
10u
160V.EC
C335
470u
35V
D342
1N4148
D343
1N4148
D344
1N4148
C342
R3A9
3.3
1W (MOF)
R368
91K
C336
470u
35V
R3A8
3.3
1/2W
R391
120R
3W
R373
120R
3W
D314
EGP20C
R369
6.8K
Q332
TIP122
VR305
250K
L305
3.3MH
D334
RGP10J
R331
10K
2W
R357
2.2K
R382
2.2M
Q329
2SC2688
C334
3.3U
250V
(MP)
R374
1K
R371
2.2K
C329
0.1u
50V
(CC)
C330
100u
16V
R364
24K
Q330
2SB1363
(2SA1376A)
R365
15K
C3A4
0.01U
100V
(MC)
R3A4
10K
D335
1N4148
R3A1
4.7K
R3A3
10K
R3A5
51K
IC302
MA17358
LM358
12V
R3A2
1.8K
R3A6
3.9K
C360
2.2U
50V
C3A1
0.001U
100V
R366
13K
R358
27K
D332
1N4148
R350
5.1K
C332
220u
16V
Q327
2SA733
R361
3K
Q328
RN1203
C225
0.01u
250V
(MP)
R253
220R
VR304
100K
R363
20K
Q205
2SD667
R252
2.4K

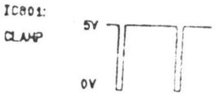

GND
SDA
GND
SDA
12V
P203
R820
3.9K
5V
+5V
P201
H.SYNC
V.SYNC
DG1
GND
KD0
COM2
COM1
KD1
KD2
KD3
KD4
KD5
COM3
KD7
KD6
LCH1
14
13
12
11
10
9
8
7
6
5
4
3
2
1
Br-
Br+
CONTRST-
CONTRST+
9300
6500
HSIZE-
HPHASE
VSIZE+
VPHASE
PIN-
TILT
BLUE-
RED-
HSIZE+
HPHASE
VSIZE-
VPHASE
PIN+
TILT
BLUE+
RED+
CNP801
LCH2
5V
D0
D1
D2
D3
D4
D5
D6
D7
IC810
74HC574
SMD
20
19
18
17
16
15
14
13
12
11
R840
2K
D810
1N4148
D811
1N4148
D812
1N4148
A11
WEN
RDKEN


C803
0.1u
R822
100
C814
100P
100V
RC801
4MHZ
C813
100P
100V
C801
2.2u
R824
2.4K
R830
2.7K
NC
C810
56P
C811
56P NC
C816
100u
10V
+5V
IC203
LM358 1/2
C208
0.22u
50V/+-5%
(MC)
R231
33K
R232
68K
D211
4A2
VR201
50K
R234
390K
1%
C209
0.1u
63V
(MPC)
C210
0.1u
63V
(MPC)
R226
10K
(CF)
R225
10K
1%
R266
15K
D215
1N4148
Q207
2SB647A
R260
1.5K
D214
HZ3A3
C221
100U
10V
EC
C222
0.1u
50V
(CC)
R258
953
1%
LCH3
LCH4
LCH2
LCH1
ACK
5V
R841~R845
40.2K
20K
10K
4.99K
2.49K
R846 0
R847 0
R848 0
COM1
COM2
COM3
R849
15K
NC
IC811
LM
358
R852
1K
Q853
2SD667
D813
1N4148
D814
1N4148
R853
2.2R
R854
2.2R
R851
10K
Q854
2SB647
R850
10K
C850
0.1u
R855
1R
1/4W
P812
P813
12V
6.3V
GND
D61
C851
0.1u
FBT:
2.
1.2K
4.
170
147
0
5.
152
128
0
8. 3~19V dc (LOADING)
9.
346
-50
10.
33
-220
IC202
PIN1
60
18
0
2.
56
25
3.
5
3.8
6.
7
0
7. 6.77V
9.
7.5
0.7
10.
8.5
1.6
11. 4.37V
12.
5
3.7

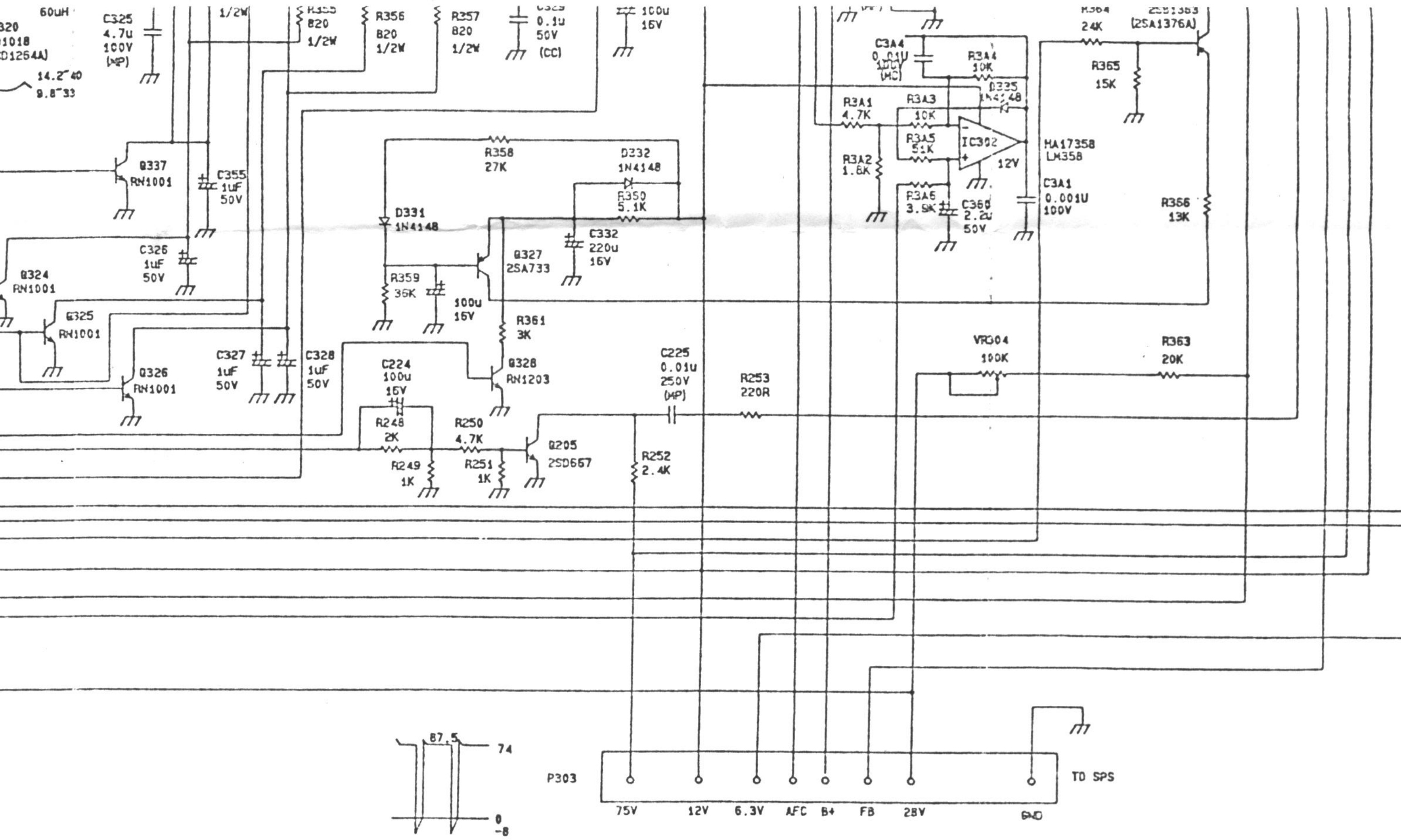
H: 77KHZ
B+: 147Vdc
31KHZ: 59V
35KHZ: 64V
37KHZ: 71V
49KHZ: 92V
56KHZ: 99V


R232
68K
VR201
50K
R234
390K
1%
9
C209
0.1u
63V
(MPC)
10
R235
68K
1%
C210
0.1u
63V
(MPC)
8
R237
2.2K
R238
180
C213
2200u
16V
C212
470u
16V
R241
0.75
1W
R247
100
2W
C219
47u
35V
Q204
2SB647
12.7
10.5
Q206
2SC945
R244
1K
R245
1.8K
C218
0.01U
100V
(MC)
R246
18K
C222
0.1u
50V
(CC)
IC201
LK317
3
2
1
R258
953
1%
C226
3.3u
50V
R259
2.8K-1%
1%
10K
R345
13K
1%
D340
1N4148
D330
1N4148
R348
4.3K
1%
C323
0.1u
100V
(MC)
(CF)
Q318
2SD559A
C324
470P
1KV
R350
2K
5%
VR306
10K
Q319
2SB647A
R381
120R
Q320
2SD1018
(2SD1264A)
60uH
14.2~40
9.8~33
C325
4.7u
100V
(MP)
R351
17.4K
1%
R352
13.6K
1%
R353
8.25K
1%
Q321
RN1203
Q322
RN1203
Q323
RN1203
Q337
RN1001
C326
1uF
50V
Q324
RN1001
Q325
RN1001
Q326
RN1001


60
18
0
56
25
5
3.8
7
0
6.77V
7.5
0.7
8.5
1.6
4.37V
5
3.7

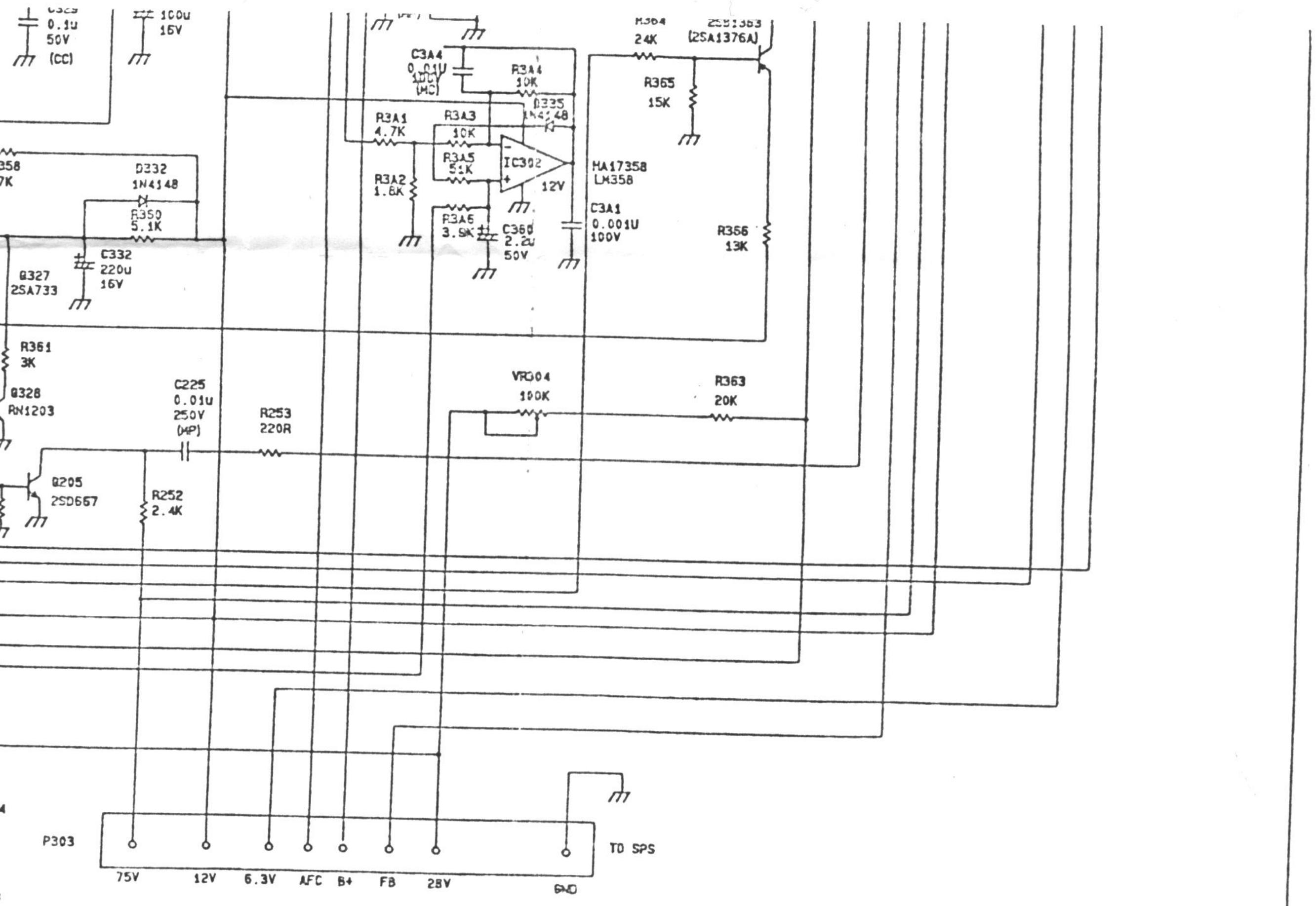

IC801:
CLAMP
5V
0V

FH	82~66 KHZ	66~53 KHZ
LCH1	H	H
LCH2	H	H
LCH3	H	L
LCH4	H	H


60uH
C325
4.7u
100V
(NP)
14.2~40
9.8~33
1/2W
R355
820
1/2W
R356
820
1/2W
R257
820
1/2W
C329
0.1u
50V
(CC)
100u
16V
C3A4
0.01U
100V
(MC)
R3A4
10K
R3A1
4.7K
R3A3
10K
D335
1N4148
R3A5
51K
IC302
HA17358
LM358
12V
R3A2
1.6K
R3A6
3.9K
C360
2.2U
50V
C3A1
0.001U
100V
R364
24K
2SB1383
(2SA1376A)
R365
15K
R366
13K
Q337
RN1001
C355
1uF
50V
R358
27K
D332
1N4148
R350
5.1K
D331
1N4148
C332
220u
16V
Q327
2SA733
C326
1uF
50V
Q324
RN1001
Q325
RN1001
R359
36K
100u
16V
R361
3K
Q326
RN1001
C327
1uF
50V
C328
1uF
50V
C224
100u
16V
Q328
RN1203
C225
0.01u
250V
(MP)
R253
220R
VR304
100K
R363
20K
R248
2K
R250
4.7K
Q205
2SD667
R249
1K
R251
1K
R252
2.4K
87.5
74
0
-8
P303
75V
12V
6.3V
AFC
B+
FB
28V
GND
TO SPS

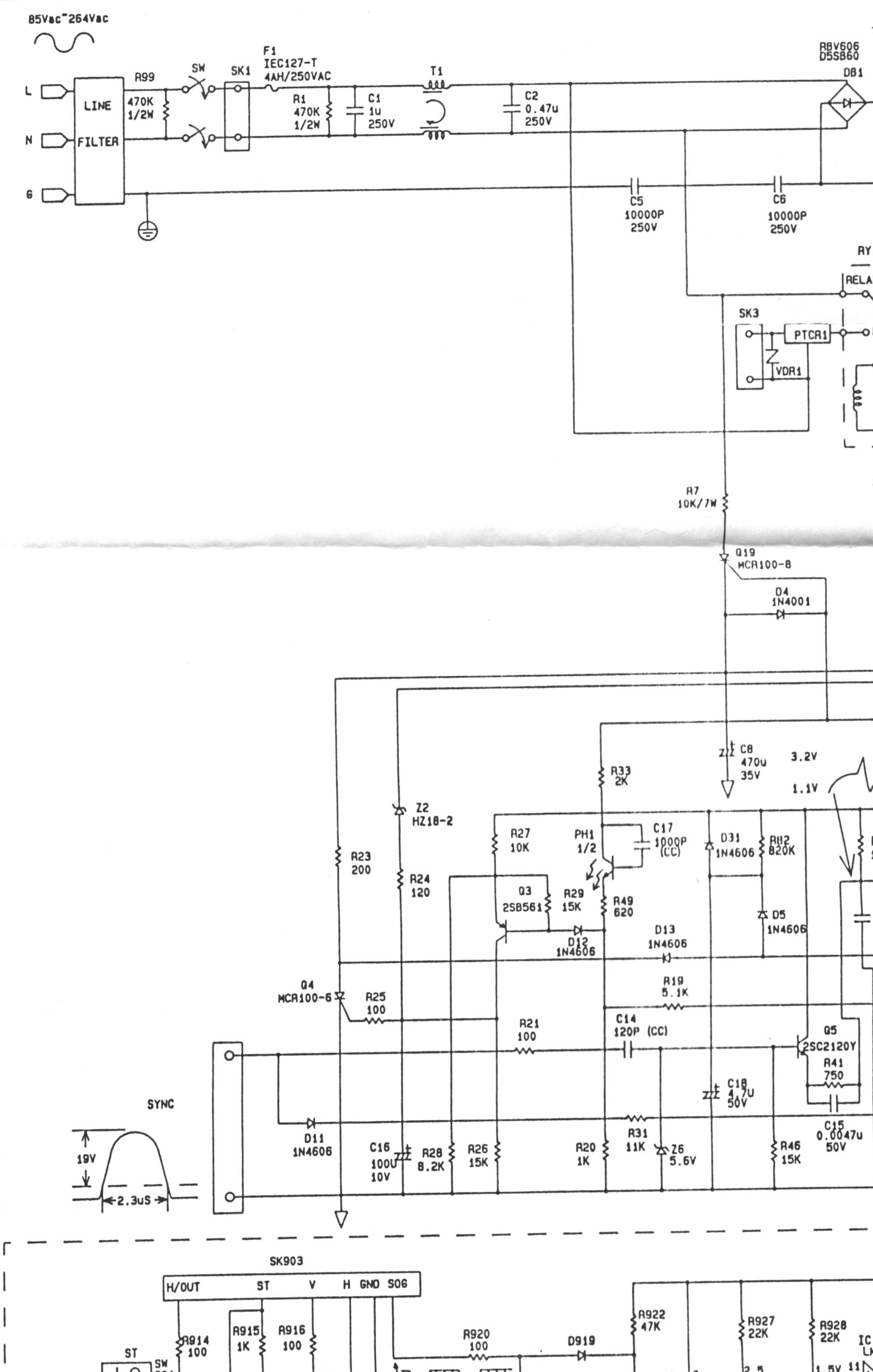
FH	82~66 KHZ	66~53 KHZ	51~42 KHZ	42~36.6 KHZ	36.6~23 KHZ
LCH1	H	H	L	L	L
LCH2	H	H	L	H	L
LCH3	H	L	H	L	L
LCH4	H	H	H	L	L

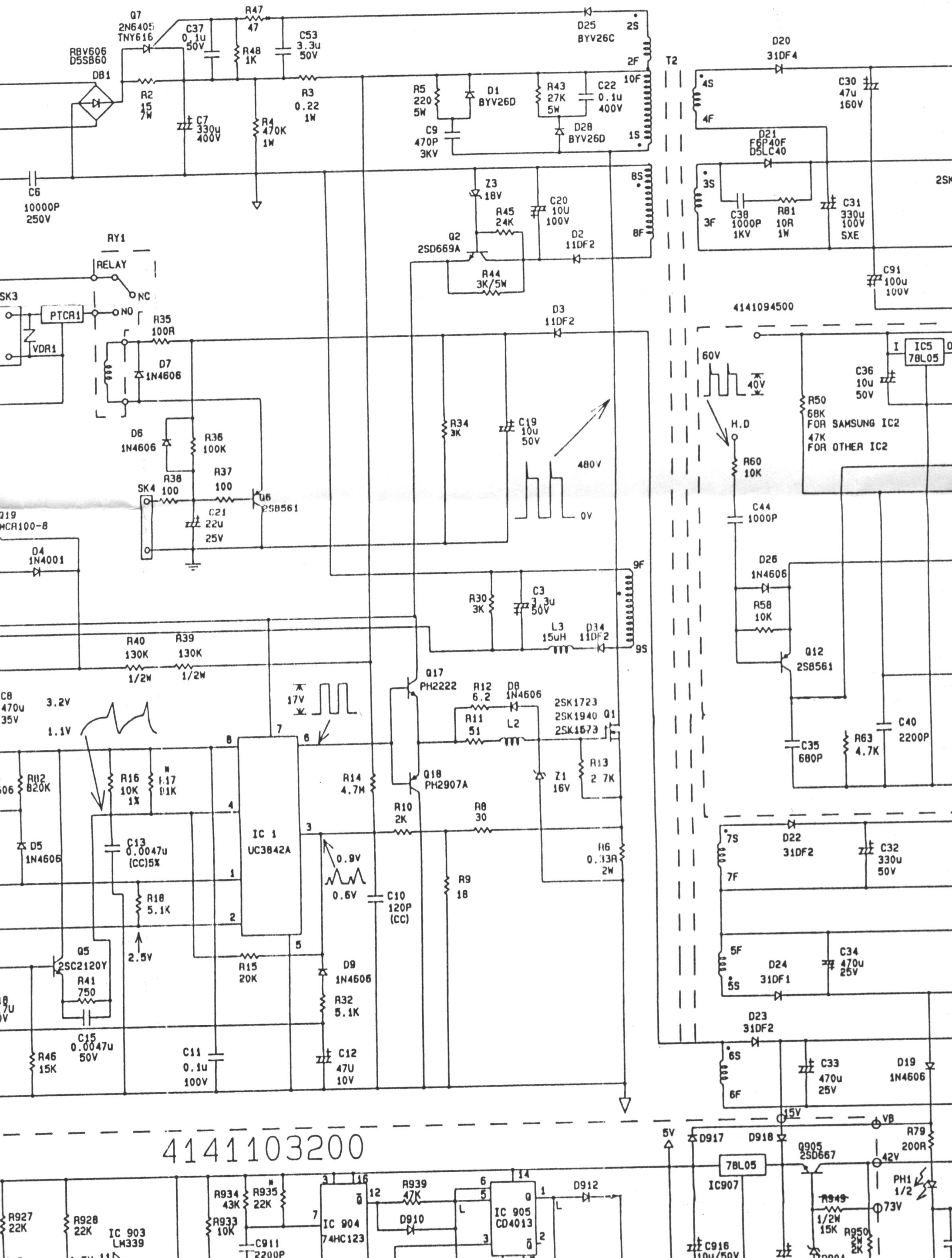
DRAWING DATE	TOLERANCE		SC
04-14-'95	DIM + -	ANGLE + -	
DRAWER	SHEET		DRAWI
	OF		
MODEL NO.:	2082G-2		

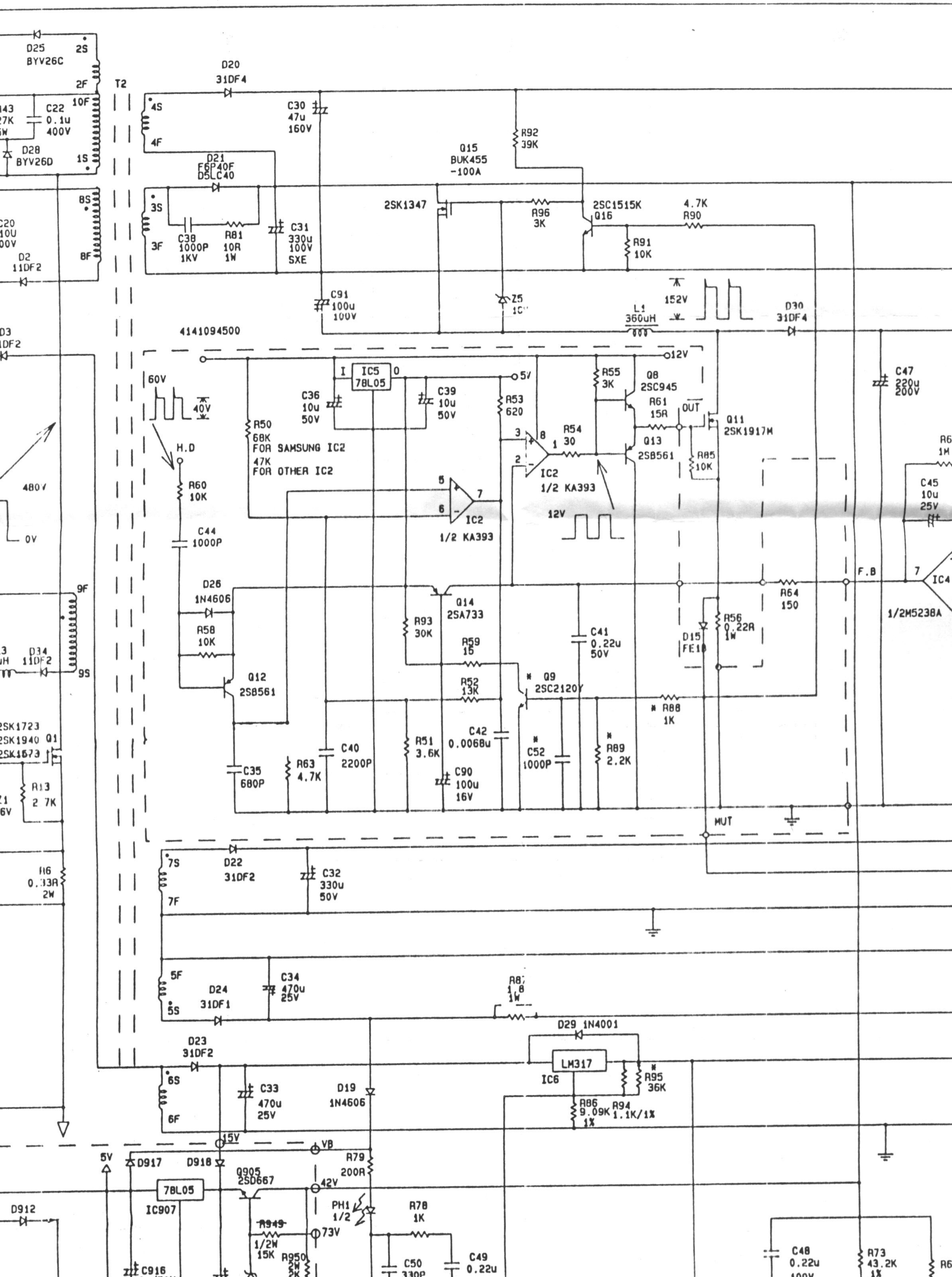

C329
0.1u
50V
(CC)
100u
16V
R358
7K
D332
1N4148
R350
5.1K
C332
220u
16V
Q327
2SA733
R361
3K
Q328
RN1203
Q205
2SD667
C225
0.01u
250V
(HP)
R253
220R
R252
2.4K
C3A4
0.01U
100V
(MC)
R3A4
10K
D335
1N4148
R3A1
4.7K
R3A3
10K
R3A5
51K
IC302
12V
HA17358
LM358
R3A2
1.8K
R3A6
3.9K
C360
2.2u
50V
C3A1
0.001U
100V
R364
24K
2SB1363
(2SA1376A)
R365
15K
R366
13K
VR304
100K
R363
20K
P303
75V
12V
6.3V
AFC
B+
FB
28V
GND
TO SPS

DRAWING DATE	TOLERANCE		SCALE	UNIT
	DIM	ANGLE		
04-14-'95	+ -	+ -	/	MM
DRAWER	SHEET		DRAWING NAME	FILENAME
	OF			
MODEL NO.:	2082G-2			

DATE	ECN/ECO NO.
06-01-'94	N-05259401EG
0 31-'94	0-08229411ET
0 01-'94	0-08229413ET
09-03-'94	0-08229411ET
10-06-'94	0-09129410EP
1 27-'94	0-10079405ET
1 27-'94	0-10079402ET
1 16-'94	0-11039401RT
11-19-'94	0-10269401RT
11-19-'94	0-10269401RT


85Vac~264Vac
L
N
G
LINE FILTER
R99
470K 1/2W
SW
SK1
F1
IEC127-T
4AH/250VAC
R1
470K
1/2W
C1
1u
250V
T1
C2
0.47u
250V
RBV606
D5SB60
DB1
C5
10000P
250V
C6
10000P
250V
RY
RELA
SK3
PTCR1
VDR1
R7
10K/7W
Q19
MCR100-8
D4
1N4001
C8
470u
35V
3.2V
1.1V
R33
2K
Z2
HZ18-2
R27
10K
PH1
1/2
C17
1000P
(CC)
D31
1N4606
R82
820K
R23
200
R24
120
Q3
2SB561
R29
15K
R49
620
D5
1N4606
D12
1N4606
D13
1N4606
R19
5.1K
Q4
MCR100-6
R25
100
R21
100
C14
120P (CC)
Q5
2SC2120Y
R41
750
SYNC
C18
4.7U
50V
D11
1N4606
R31
11K
C15
0.0047u
50V
19V
2.3uS
C16
100U
10V
R28
8.2K
R26
15K
R20
1K
Z6
5.6V
R46
15K
SK903
H/OUT
ST
V
H
GND
SOG
R914
100
R915
1K
R916
100
R920
100
D919
R922
47K
R927
22K
R928
22K
IC
ST
SW
1.5V
11


Q7
2N6405
TNY616
RBV606
D5SB60
DB1
R2
15
7W
C37
0.1u
50V
R47
47
R48
1K
C53
3.3u
50V
R3
0.22
1W
C7
330u
400V
R4
470K
1W
C6
10000P
250V
D25
BYV26C
2S
2F
10F
1S
8S
8F
9F
9S
T2
R5
220
5W
D1
BYV26D
C9
470P
3KV
R43
27K
5W
C22
0.1u
400V
D28
BYV26D
Z3
18V
C20
10U
100V
R45
24K
Q2
2SD669A
D2
11DF2
R44
3K/5W
D3
11DF2
RY1
RELAY
NC
NO
SK3
PTCR1
VDR1
R35
100R
D7
1N4606
D6
1N4606
R36
100K
R37
100
R38
100
SK4
Q6
2SB561
C21
22u
25V
Q19
MCR100-8
D4
1N4001
R34
3K
C19
10u
50V
480V
0V
R30
3K
C3
3.3u
50V
L3
15uH
D34
11DF2
R40
130K
1/2W
R39
130K
1/2W
C8
470u
35V
3.2V
1.1V
17V
Q17
PH2222
R12
6.2
D8
1N4606
2SK1723
2SK1940
2SK1573
Q1
R11
51
L2
R13
2.7K
Z1
16V
R82
820K
R16
10K
1%
R17
91K
IC 1
UC3842A
8
7
6
4
3
1
2
5
R14
4.7M
Q18
PH2907A
R10
2K
R8
30
R6
0.33R
2W
D5
1N4606
C13
0.0047u
(CC)5%
0.9V
0.6V
C10
120P
(CC)
R9
18
R18
5.1K
2.5V
Q5
2SC2120Y
R41
750
R15
20K
D9
1N4606
R32
5.1K
C15
0.0047u
50V
R46
15K
C11
0.1u
100V
C12
47U
10V
D20
31DF4
4S
4F
C30
47u
160V
D21
F6P40F
D5LC40
3S
3F
C38
1000P
1KV
R81
10R
1W
C31
330u
100V
SXE
C91
100u
100V
2SK
4141094500
60V
40V
H.D
R60
10K
C44
1000P
IC5
78L05
I
O
C36
10u
50V
R50
68K
FOR SAMSUNG IC2
47K
FOR OTHER IC2
D26
1N4606
R58
10K
Q12
2SB561
C35
680P
R63
4.7K
C40
2200P
7S
7F
D22
31DF2
C32
330u
50V
5F
5S
D24
31DF1
C34
470u
25V
D23
31DF2
6S
6F
C33
470u
25V
D19
1N4606
15V
VB
4141103200
5V
D917
D918
78L05
IC907
Q905
2SD667
42V
R79
200R
PH1
1/2
73V
R949
1/2W
15K
R950
2W
2K
C916
10u/50V
D904
R927
22K
R928
22K
IC 903
LM339
R934
43K
R935
22K
R933
10K
C911
2200P
IC 904
74HC123
R939
47K
D910
12
7
3
11
16
6
5
14
IC 905
CD4013
Q
1
2
L
D912


D25
BYV26C
2S
2F
10F
1S
T2
43
27K
C22
0.1u
400V
D28
BYV26D
8S
8F
C20
10U
D2
11DF2
D20
31DF4
4S
4F
C30
47u
160V
R92
39K
Q15
BUK455
-100A
D21
F6P40F
D5LC40
3S
3F
C38
1000P
1KV
R81
10R
1W
C31
330u
100V
SXE
2SK1347
R96
3K
2SC1515K
Q16
4.7K
R90
R91
10K
C91
100u
100V
Z5
L1
360uH
152V
D30
31DF4
D3
1DF2
4141094500
12V
60V
40V
H.D
IC5
78L05
I
0
5V
C36
10u
50V
C39
10u
50V
R50
68K
FOR SAMSUNG IC2
47K
FOR OTHER IC2
R53
620
R55
3K
Q8
2SC945
R61
15R
OUT
Q11
2SK1917M
Q13
2SB561
R85
10K
R54
30
IC2
1/2 KA393
C47
220u
200V
C45
10u
25V
1M
480V
0V
R60
10K
C44
1000P
IC2
1/2 KA393
12V
F.B
7
IC4
1/2M5238A
R64
150
R56
0.22R
1W
D15
FE1B
D26
1N4606
R58
10K
Q14
2SA733
R93
30K
R59
15
C41
0.22u
50V
9F
9S
D34
11DF2
Q12
2SB561
Q9
2SC2120Y
R52
13K
R88
1K
2SK1723
2SK1940
2SK1573
Q1
R13
2.7K
C35
680P
R63
4.7K
C40
2200P
R51
3.6K
C42
0.0068u
C90
100u
16V
C52
1000P
R89
2.2K
MUT
R6
0.33R
2W
7S
7F
D22
31DF2
C32
330u
50V
5F
5S
D24
31DF1
C34
470u
25V
R87
1.8
1W
D29 1N4001
D23
31DF2
6S
6F
C33
470u
25V
D19
1N4606
LM317
IC6
R95
36K
R86
9.09K
1%
R94
1.1K/1%
15V
VB
5V
D917
D918
Q905
2SD667
R79
200R
42V
78L05
IC907
D912
PH1
1/2
R78
1K
R949
1/2W
15K
73V
R950
C916
C50
330P
C49
0.22u
C48
0.22u
R73
43.2K
1%